SAMSUNG

# LCD-Monitor

Chassis LS21BRBS

Model 214T

# SERVICE Manual

## LCD Monitor

## Fashion Feature

- Applying MFM UI
- Applying Magic Color Pro
- Applying HDCP / PIP
- Supporting Magic Tune 4.0
- Supporting Analog / Digital / Video / S-video

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## Français

### Fonctions du clavier

**Touches de fonction avancées**

Pour utiliser les touches de fonctions avancées, appuyez sur la touche Fn sans la relâcher, puis sur la touche F de votre choix.

Fn + F1 = Lance le navigateur Web
Fn + F2 = Lance l'application de messagerie électronique
Fn + F3 = Lance le service de recherche Windows[1]
Fn + F4 = Lance le lecteur multimédia
Fn + F5 = Bascule l'application[2]
Fn + F6 = Affiche le bureau
Fn + F7 = Réduit la fenêtre active
Fn + F8 = Restaure les fenêtres réduites
Fn + F9 = Ouvre le Poste de travail
Fn + F10 = Verrouille l'ordinateur
Fn + F11 = Met l'ordinateur en veille
Fn + F12 = Lance la calculatrice

Pour reprogrammer les touches de fonctions avancées, utilisez le logiciel Logitech® SetPoint™, téléchargeable sur le site www.logitech.com/downloads.

[1] Fonction One Touch Search disponible si le logiciel SetPoint est installé.
[2] Fonction de changement d'application disponible si le logiciel SetPoint est installé.

**Touches de raccourci**

1. Navigation multimédia
2. Réglage du volume

## Português

### Recursos do teclado

**Teclas F otimizadas**

Para usar as teclas F otimizadas, mantenha pressionada a tecla Fn e pressione a tecla F que deseja usar.

Fn + F1 = Inicia o navegador da Internet
Fn + F2 = Inicia o aplicativo de e-mail
Fn + F3 = Inicia a Pesquisa do Windows[1]
Fn + F4 = Inicia o media player
Fn + F5 = Inverter[2]
Fn + F6 = Mostra a área de trabalho
Fn + F7 = Minimiza a janela
Fn + F8 = Restaura janelas minimizadas
Fn + F9 = Meu computador
Fn + F10 = Bloqueia o PC
Fn + F11 = Coloca o PC em modo de espera
Fn + F12 = Inicia a calculadora

Para reprogramar as teclas F, use o software Logitech® SetPoint™, que pode ser descarregado a partir do site www.logitech.com/downloads.

[1] One Touch Search, se o software SetPoint estiver instalado.
[2] Alternância de aplicativos, se o software SetPoint estiver instalado.

**Teclas de acesso**

1. Navegação de mídia
2. Ajuste de volume

## English

### Help with setup

- Is the keyboard powered on?
- Is the Unifying receiver securely plugged into a computer USB port? Try changing USB ports.
- If the Unifying receiver is plugged into a USB hub, try plugging it directly into a USB port on your computer.
- Did you pull the battery tab? Check the orientation of the batteries inside the keyboard, or replace the two AA alkaline batteries.
- Remove metallic objects between the keyboard and its Unifying receiver.
- Try moving the keyboard closer to the Unifying receiver, or order a USB extension cable at www.logitech.com/usbextender.
- Try reconnecting the keyboard and Unifying receiver using the Logitech Unifying software (Refer to the Unifying section in this guide.)

## Español

### Ayuda con la instalación

- ¿Has encendido el teclado?
- ¿Está el receptor Unifying conectado correctamente a un puerto USB de la computadora? Prueba otros puertos USB.
- Si el receptor Unifying está conectado a un concentrador USB, conéctalo directamente a un puerto USB de la computadora.
- ¿Tiraste de la lengüeta de las baterías? Comprueba la orientación de las baterías dentro del teclado, o sustituye las dos baterías alcalinas AA.
- Retira cualquier objeto metálico situado entre el teclado y el receptor Unifying.
- Lleve el receptor Unifying más cerca del teclado, o encargue un cable de extensión USB en www.logitech.com/usbextender.
- Vuelve a conectar el teclado y el receptor Unifying mediante el software Logitech Unifying (consulta la sección Unifying de esta guía).

## Français

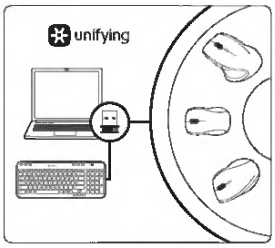
### Aide pour l'installation

- Le clavier est-il sous tension?
- Le récepteur Unifying est-il branché sur un port USB? Réessayez en changeant de port USB.
- Si le récepteur Unifying est branché sur un hub USB, branchez-le directement sur un port USB de l'ordinateur.
- Avez-vous retiré la languette de protection des piles? Vérifiez le sens d'insertion des piles dans le clavier ou remplacez les deux piles alcalines AA.
- Déplacez tout objet métallique se trouvant entre le clavier et le récepteur Unifying.
- Essayez de rapprocher le clavier du récepteur Unifying ou commandez une rallonge USB à l'adresse www.logitech.com/usbextender.
- Essayez de reconnecter le clavier au récepteur Unifying par le biais du logiciel Logitech Unifying (reportez-vous à la section Unifying de ce guide)

## Português

### Ajuda para a configuração

- O teclado está ligado?
- O receptor Unifying está conectado corretamente a uma porta USB do computador? Experimente uma outra porta USB.
- Se o receptor Unifying estiver conectado a um concentrador USB, tente conectá-lo diretamente a uma porta USB no computador.
- Abriu o compartimento de pilhas? Verifique a orientação das pilhas no teclado ou substitua as duas pilhas alcalinas AA.
- Remova objetos metálicos entre o teclado e o receptor Unifying.
- Tente mover o teclado para mais perto do receptor Unifying ou encomende um cabo de extensão USB em www.logitech.com/usbextender.
- Tente reconectar o teclado e o receptor Unifying usando o software Logitech Unifying (consulte a seção Unifying neste guia).




## English

**Plug it. Forget it. Add to it.**

Your new Logitech product ships with a Logitech® Unifying receiver. Did you know you can add a compatible Logitech wireless device that uses the same receiver as your current Logitech Unifying product?

**Are you Unifying-ready?**

If you have a Logitech wireless device that's Unifying-ready, you can pair it with additional Unifying devices. Just look for the orange Unifying logo on the new device or its packaging. Build your ideal combo. Add something. Replace something. It's easy, and you'll use only one USB port for up to six devices.

**Getting started is easy**

If you're ready to pair your device(s) via Unifying, here's what you need to do:

1. Make sure your Unifying receiver is plugged in.
2. If you haven't already, download the Logitech® Unifying software from www.logitech.com/unifying.
3. Start the Unifying software* and follow the onscreen instructions to pair the new wireless device with your existing Unifying receiver.

*Go to Start / All Programs / Logitech / Unifying / Logitech Unifying Software

## Español

**Conéctalo. Olvídate de él. Agrega más.**

Tu nuevo producto Logitech se entrega con un receptor Logitech® Unifying. ¿Sabías que puedes agregar un dispositivo inalámbrico Logitech compatible que utiliza el mismo receptor que tu producto Logitech Unifying actual?

**¿Estás listo para Unifying?**

Si tienes un dispositivo inalámbrico compatible con Unifying, puedes emparejarlo con otros dispositivos Unifying. Sólo debes buscar el logo naranja de Unifying en el nuevo dispositivo o en su embalaje. Crea la combinación ideal. Agrega algo. Sustituye algo. Es sencillo: sólo utilizarás un puerto USB para hasta seis dispositivos.

**Es muy sencillo**

Si estás listo para emparejar los dispositivos mediante Unifying, sigue estos pasos:

1. Comprueba que el receptor Unifying esté conectado.
2. Si no lo has hecho aún, descarga el software Logitech® Unifying desde www.logitech.com/unifying.
3. Inicia el software* Unifying y sigue las instrucciones en pantalla para emparejar el nuevo dispositivo inalámbrico con el receptor Unifying existente.

*Ve a Inicio / Todos los programas / Logitech / Unifying / Software Logitech Unifying

## Français

**Branchez-le. Oubliez-le. Ajoutez d'autres périphériques.**

Votre nouveau produit Logitech est livré avec un récepteur Logitech® Unifying. Saviez-vous qu'il est possible d'ajouter un dispositif sans fil Logitech compatible utilisant le même récepteur que votre produit Logitech Unifying?

**Etes-vous compatible Unifying?**

Si vous disposez d'un dispositif sans fil Logitech compatible Unifying, il est possible de l'associer à d'autres dispositifs Unifying. Recherchez le logo Unifying de couleur orange sur le nouveau dispositif ou son emballage. Créez votre combinaison parfaite. Ajoutez un dispositif. Remplacez-en un. C'est facile et un seul port USB peut permettre de connecter jusqu'à six dispositifs.

**Installation facile**

Si vous êtes prêt à associer votre ou vos dispositifs via le récepteur Unifying, voilà comment procéder:

1. Assurez-vous que votre récepteur Unifying est connecté.
2. Si vous ne l'avez pas encore fait, téléchargez le logiciel Logitech® Unifying à l'adresse www.logitech.com/unifying.
3. Lancez le logiciel Unifying* et suivez les instructions à l'écran de façon à associer le nouveau dispositif sans fil avec le récepteur Unifying existant.

*Cliquez sur Démarrer / Tous les programmes / Logitech / Unifying / Logiciel Logitech Unifying

## Português

**Conecte-o. Esqueça-o. Adicione a ele.**

Seu novo produto da Logitech inclui um receptor Logitech® Unifying. Sabia que você pode adicionar um dispositivo sem fio compatível da Logitech que usa o mesmo receptor que o produto Logitech Unifying?

**Está preparado para Unifying?**

Se tiver um dispositivo sem fio da Logitech que esteja preparado para Unifying, você poderá emparelhá-lo com dispositivos Unifying adicionais. Para ter certeza, procure o logotipo Unifying laranja no novo dispositivo ou na embalagem. Faça sua combinação ideal. Adicione algo. Substitua algo. É fácil, e somente uma porta USB será usada para até seis dispositivos.

**É fácil começar**

Se estiver pronto para emparelhar dispositivos através do Unifying, aqui está o que é preciso fazer:

1. Verifique se o receptor Unifying está conectado.
2. Se ainda não o tiver, faça o download do software Logitech® Unifying no site www.logitech.com/unifying.
3. Inicie o software* Unifying e siga as instruções na tela para emparelhar o novo dispositivo sem fio com o receptor Unifying existente.

*Vá para Iniciar / Todos os programas / Logitech / Unifying / Logitech Unifying Software

**M/N:C-U0007**
Rating: 5V ⎓ 100mA
FCC ID: JNZCU0007
IC: 4418A-CU0007
MADE IN CHINA

2205-10-3229

CNC:C-8941 CFT:RCPLOCU10-1356

## What do you think?
## ¿Cuál es su opinión?
## Qu'en pensez-vous?
## O que você acha?

Please take a minute to tell us. Thank you for purchasing our product.

Nos gustaría conocerla, si puede dedicarnos un minuto. Le agradecemos la adquisición de nuestro producto.

Prenez quelques minutes pour nous faire part de vos commentaires. Vous venez d'acheter ce produit et nous vous en remercions.

Reserve um minuto para nos dizer. Obrigado por adquirir nosso produto.

**www.logitech.com/ithink**

**www.logitech.com/support**

| | |
|---|---|
| United States | +1 646-454-3200 |
| Argentina | +00800-555-3284 |
| Brasil | +0 800-891-4173 |
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# Information for your safety and comfort

English

## Safety instructions

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

## Special notes on LCD monitors

The following are normal with the LCD monitor and do not indicate a problem.

- Due to the nature of the fluorescent light, the screen may flicker during initial use. Turn off the power switch and then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- The LCD screen has 99.99% or more effective pixels. It may include blemishes of 0.01% or less such as a missing pixel or pixel lit all the time.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the power switch for a few hours.

## Cleaning your monitor

Please carefully follow these guidelines when cleaning the monitor:

- Always unplug the monitor before cleaning.
- Use a soft cloth to wipe the screen and cabinet front and sides.

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Cooking time table for forced convection baking

| Food | Thermostat Setting °C | Cooking Time |
|---|---|---|
| Small cakes (12 on tray) | 175 | 15-20 mins. |
| Victoria sandwich (2x7"/180 mm) | 170 | 20-30 mins. |
| Swiss roll or wisked sponge | 180 | 15-20 mins. |
| Fruit cake (8"/205 mm) | 135 | 1 1/2 - 2 1/2 hours |
| Scones | 210 | 8-15 mins. |
| Meringues | 80 | 1 1/2 - 2 1/2 hours |
| Shortcrust Pastry | 190 | 20-40 mins. depending |
| Puff or flaky Pastry | 200 | 15-30 mins. upon |
| Choux Pastry | 200 | 20-30 mins. dish |
| Biscuits | 170/180 | 10-20 mins. depending upon type |
| Bread | 200/220 | 25-35 mins. |
| Milk pudding | 150 | 1 1/2-2 hours |
| Pizza | 250 | 20 mins. |
| Lasagne | 165 | 60 mins. |
| Oven noodles | 150 | 60 mins. |
| BEEF on bone | 230 rare & crusty | 9 mins. per 1lb (500 g) plus 9 mins. |
| BEEF on bone | 190 (rare) | 15 mins. per 1lb (500 g) plus 8 mins. |
| | 190 (medium) | 20 mins. per 1lb (500 g) plus 10 mins. |
| | 160 (well done) | 25 mins. per 1lb (500 g) plus 8 mins. |
| Boned and rolled | 190 (rare) | 20 mins. per 1lb (500 g) plus 10 mins. |
| | 190 (medium) | 25 mins. per 1lb (500 g) plus 15 mins. |
| | 160 (well down) | 30 mins. per 1lb (500 g) plus 8 mins. |
| LAMB on bone | 190 | 20 mins. per 1lb (500 g) plus 10 mins. |
| | 155 | 27 mins. per 1lb (500 g) plus 14 mins. |
| boned and rolled | 190 | 25 mins. per 1lb (500 g) plus 14 mins. |
| | 155 | 25 mins. per 1lb (500 g) plus 14 mins. |
| PORK on bone | 200 | 25 mins. per 1lb (500 g) plus 25 mins. |
| boned and rolled | 160 | 30-35 mins. per 1lb (500 g) plus 18 mins. |
| VEAL on bone | 200 | 25 mins. per 1lb (500 g) plus 14 mins. |
| boned and rolled | 200 | 30 mins. per 1lb (500 g) plus 14 mins. |
| CHICKEN | 200 | 20 mins. per 1lb (500 g) plus 10 mins. |
| | 155 | 25 mins. per 1lb (500 g) plus 13 mins. |
| TURKEY | 200 | 18 mins. per 1lb (500 g) plus 23 mins. |
| | 155 | 23 mins. per 1lb (500 g) |
| DUCK | 200 | 18 mins. per 1lb (500 g) |
| | 155 | 23 mins. per 1lb (500 g) |
| GOOSE | 180 | 18 mins. per 1lb (500 g) plus 20 mins. |



**Cooking time table for traditional baking**

| Food | Thermostat Setting °C | Shelf Position from Bottom | Cooking Time |
|---|---|---|---|
| Small cakes (12 on tray) | 195 | 2-3 | 20-30 mins. |
| Victoria sandwich (2x7"/180 mm) | 190 | 2-3 | 25-35 mins. |
| Swiss roll or wisked sponge | 200 | 2-3 | 20-25 mins. |
| Fruit cake (8"/205 mm) | 145 | 2 | 2-3 hours |
| Scones | 250 | 2-3 | 10-20 mins. |
| Meringues | 95 | 2 | 2-3 hours |
| Shortcrust Pastry | 210 | 2-3 | 25-45 mins. depending |
| Puff or flaky Pastry | 220 | 2 | 20-35 mins. upon |
| Choux Pastry | 220 | 2-3 | 25-35 mins. dish |
| Biscuits | 200/220 | 2-3 | 15-25 mins. depending upon type |
| Bread | 250 | 2 | 30-40 mins. |
| Milk pudding | 165 | 2 | 1 1/2-2 hours |
| Pizza | 250 | 2-3 | 25 mins. |
| Lasagne | 170 | 2-3 | 75 mins. |
| Oven noodles | 160 | 2-3 | 75 mins. |
| BEEF on bone | 250 rare & crusty | 3 | 12 mins. per 500 g plus 12 mins. |
| BEEF on bone | 220 (rare) | 3 | 15 mins. per 500 g plus 15 mins. |
| | 220 (medium) | 3 | 20 mins. per 500 g plus 20 mins. |
| | 180 (well done) | 3 | 25 mins. per 500 g plus 25 mins. |
| LAMB on bone | 220 | 3 | 20 mins. per 500 g plus 20 mins. |
| | 170 | 3 | 27 mins. per 500 g plus 27 mins. |
| Boned and rolled | 220 | 3 | 25 mins. per 500 g plus 25 mins. |
| | 170 | 3 | 35 mins. per 500 g plus 20 mins. |
| PORK on bone | 220 | 2-3 | 25 mins. per 500 g plus 25 mins. |
| boned and rolled | 180 | 2-3 | 35 mins. per 500 g plus 35 mins. |
| VEAL on bone | 220 | 2-3 | 25 mins. per 500 g plus 25 mins. |
| boned and rolled | 220 | 2-3 | 30 mins. per 500 g plus 30 mins. |
| CHICKEN | 220 | 2-3 | 20 mins. per 500 g plus 20 mins. |
| | 170 | 2-3 | 25 mins. per 500 g plus 25 mins. |
| TURKEY | 220 | 2-3 | 20 mins. per 500 g |
| | 170 | 2-3 | 25 mins. per 500 g |
| DUCK | 220 | 2-3 | 20 mins. per 500 g |
| | 170 | 2-3 | 25 mins. per 500 g |
| GOOSE | 220 | 2-3 | 20 mins. per 500 g plus 20 mins. |

**Using the grill**

Turn the function knob (fig. 1) to the symbol when you wish to grill without fan and to the symbol for fan assisted grilling. FOR GRILLING TURN THE THERMOSTAT KNOB (fig. 2) TO THE MAX. When switching on the grill the turnspit motor also will start at the same time. The fan assisted grill functions, corresponding to the symbol is suitable for wet or thick food because the action of the hot air will more uniformly cook, and the heat will enter into the food more gradually by reducing the radiation of the grill, ( THE TERMOSTAT KNOB (fig.2) TO THE 200 °C FOR THIS FUNCTION ).

**Warning**

Always set the grill grid in the highest possible rack (but not too close to the heating element: fatty foods get smoke and may start a fire) place a pan in the lowest possible rack for collecting juice. If a grease fire should occur in a pan put out the flame placing a lid on the pan: NEVER THROW WATER ON A GREASE FIRE

**Using the rotisserie ( Optional )**

Insert the supports "A" of the spit in to the proper holes "B" at the corners of the pan taking care that the support with the rod "C" must be placed on the left side of the pan. Screw handle "D" in to the

# OPERATING INSTRUCTIONS

## ⚠ Safety Instructions

The safety aspects of AEG electrical appliances comply with accepted technical standards and the German Appliance Safety Law. Nevertheless, as a manufacturer we consider it our obligation to make you aware of the following safety information:

### Installation, Connection and Placing into Operation

- The dishwasher may only be transported upright.
- Check the dishwasher for transport damage. Do not in any circumstances connect an appliance that is damaged. In the case of damage, please contact your supplier.
- Prior to placing the appliance in operation, ensure that the nominal voltage and type of supply on the rating plate match that of the supply where the appliance is to be installed. The fuse rating is also to be found on the rating plate.
- For information on how to correctly install and connect up your dishwasher, please read the „Installation" section. Multiway plugs / connectors and extension cables must not be used. This could constitute a safety hazard.

### Child Safety

- Children often do not recognise the hazards associated with the use of electrical appliances. It is therefore important that you ensure children are adequately supervised and that you do not allow children to play with the dishwasher – there is a risk that children can shut themselves inside the appliance (risk of suffocation!).
- Packaging materials (e.g. films, styrofoam) can be dangerous for children. Risk of suffocation! Keep packaging away from children.
- Detergents can cause burns to the eyes, mouth, and throat, or even cause choking! Please observe the manufacturer's safety instructions for cleaners and detergents.
- The water in your dishwasher is not suitable for drinking. If there are still remnants of detergent in the appliance, there is a risk of burns!
- When disposing of the dishwasher: unplug from the mains, cut off and dispose of the mains cable. Break the door lock so that the door no longer shuts.



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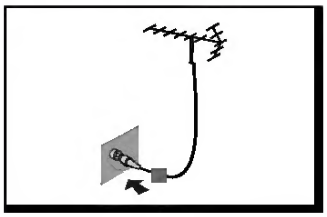
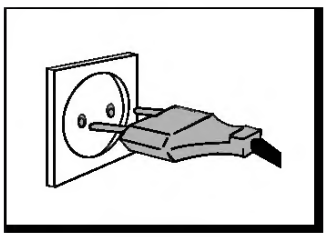
## TV HOOKUP (BASIC CONNECTION)



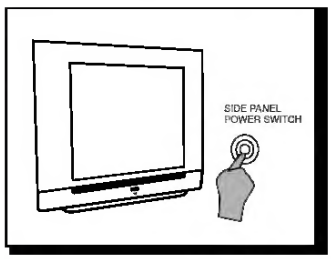
Antenna connection
- Connect the aerial plug to the antenna socket on the backcover.

- Insert the mains plug into the wall socket.



Mains connection
- For correct mains voltage, refer to type sticker at the rear of the TV set

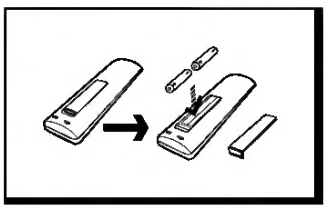
- Consult your dealer if mains supply is different.
  Note :This diagram is not representative of the actual plug and socket.




Switching on the set
- Press the main power button to switch on/ off theTV.

- If the set is on standby (indicator is light), press the Power button on the remote control to switch on set.

## REMOTE CONTROL CARE AND USE



- Insert the correct type of batteries into the compartment.

- Ensure the batteries are placed in the right direction.

Operating instructions generally explains the operation of the TV set using the buttons on the remote control unless otherwise stated. Please read the following instructions carefully and follow the steps as shown to familiarise yourself with the installations and all features available in your set.



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# Introduction

Thank you for purchasing this television set.
This handbook has been designed to help you install and operate your TV set.
We would strongly recommend that you read it thoroughly.

# Table of Contents


**Installation**

Presentation of the LCD Television ..... 2
Remote control ..... 2
Remote control keys ..... 3-4
Installing your television set ..... 5
Quick installation ..... 5
Program sort ..... 6
Manual store ..... 6
Other settings in the Install menu ..... 6

**Operation**

Picture settings ..... 7
Sound adjustments ..... 7
Feature settings ..... 7
Screen Formats ..... 8
Teletext ..... 9
Using the radio ..... 10
Using in PC monitor mode ..... 10
Using in HD (High Definition) Mode ..... 11

**Peripherals**

Video recorder ..... 12
Other equipment ..... 13
Side connections ..... 13
HD equipment ..... 13
Computer ..... 13

**Practical information**

Tips ..... 14
Glossary ..... 14


# Recycling

The packaging of this product is intended to be recycled. Apply to the local authorities for correct disposal.

**Disposal of your old product.**

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal households waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.



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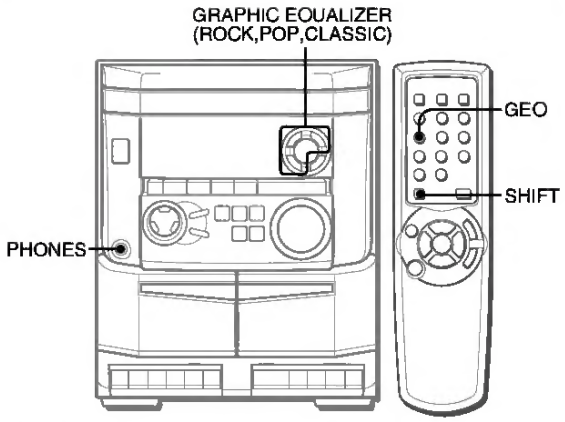
## GRAPHIC EQUALIZER




This unit provides the following three different equalization curves.
**ROCK:** Powerful sound emphasizing treble and bass
**POP:** More presence in the vocals and midrange
**CLASSIC:** Enriched sound with heavy bass and fine treble.

**Press one of ROCK, POP or CLASSIC.**
The selected equalization mode is displayed.

**To cancel the selected mode**
Press the selected button again. "GEQ OFF" is displayed.

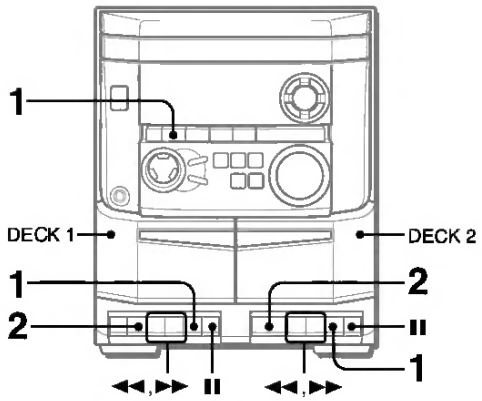
**To select with the remote control**
Press **GEQ** repeatedly while pressing **SHIFT**. The GEO mode is displayed cyclically as follows.

ROCK → POP → CLASSIC → GEQ OFF (cancel)

**Using the headphones**
Connect headphones to the **PHONES** jack with a standard stereo plug (ø6.3 mm, 1/4 inch).
No sound is output from the speakers while the headphones are plugged in.

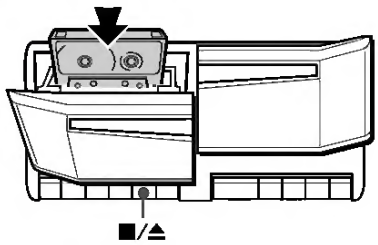
**Sound adjustment during recording**
The output volume and tone of the speakers or headphones are freely varied without affecting the recording.

## BASIC OPERATIONS




Use type I (normal) tapes only.

***1*** **Press TAPE and press ■/≜ to open the cassette holder.**




Insert a tape with the exposed side down. Push the cassette holder to close.

***2*** **Press ► to start play.**
Only the side facing out from the unit can be played back.

**To stop play**, press ■/≜.
**To pause play**, press **II**. To resume play, press again.
**To fast forward or rewind**, press ◄◄ or ►►. Then press ■/≜ to stop the tape.

**When both deck 1 and deck 2 are set in the playback mode**
Sound from deck 2 is heard.



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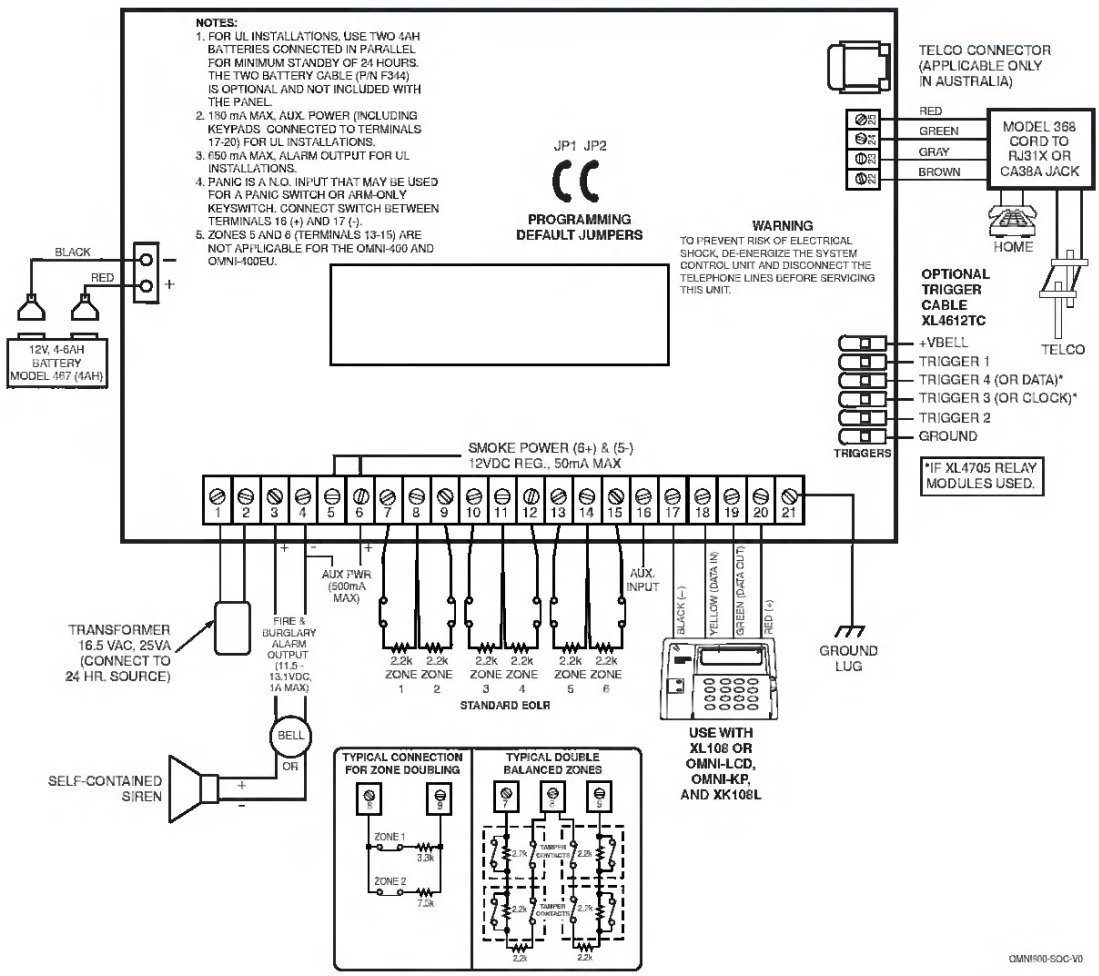
# System Wiring and Hookup

## System Wiring Diagram


NOTES:
1. FOR UL INSTALLATIONS, USE TWO 4AH BATTERIES CONNECTED IN PARALLEL FOR MINIMUM STANDBY OF 24 HOURS. THE TWO BATTERY CABLE (P/N F344) IS OPTIONAL AND NOT INCLUDED WITH THE PANEL.
2. 150 mA MAX. AUX. POWER (INCLUDING KEYPADS CONNECTED TO TERMINALS 17-20) FOR UL INSTALLATIONS.
3. 650 mA MAX. ALARM OUTPUT FOR UL INSTALLATIONS.
4. PANIC IS A N.O. INPUT THAT MAY BE USED FOR A PANIC SWITCH OR ARM-ONLY KEYSWITCH. CONNECT SWITCH BETWEEN TERMINALS 16 (+) AND 17 (-).
5. ZONES 5 AND 6 (TERMINALS 13-15) ARE NOT APPLICABLE FOR THE OMNI-400 AND OMNI-400EU.
JP1 JP2
PROGRAMMING DEFAULT JUMPERS
WARNING
TO PREVENT RISK OF ELECTRICAL SHOCK, DE-ENERGIZE THE SYSTEM CONTROL UNIT AND DISCONNECT THE TELEPHONE LINES BEFORE SERVICING THIS UNIT.
TELCO CONNECTOR (APPLICABLE ONLY IN AUSTRALIA)
RED
GREEN
GRAY
BROWN
MODEL 368 CORD TO RJ31X OR CA38A JACK
HOME
TELCO
OPTIONAL TRIGGER CABLE XL4612TC
+VBELL
TRIGGER 1
TRIGGER 4 (OR DATA)*
TRIGGER 3 (OR CLOCK)*
TRIGGER 2
GROUND
TRIGGERS
*IF XL4705 RELAY MODULES USED.
BLACK
RED
12V, 4-6AH BATTERY MODEL 467 (4AH)
SMOKE POWER (6+) & (5-)
12VDC REG., 50mA MAX
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
AUX PWR (500mA MAX)
AUX. INPUT
BLACK (-)
YELLOW (DATA IN)
GREEN (DATA OUT)
RED (+)
GROUND LUG
TRANSFORMER 16.5 VAC, 25VA (CONNECT TO 24 HR. SOURCE)
FIRE & BURGLARY ALARM OUTPUT (11.5 - 13.1VDC, 1A MAX)
2.2k ZONE 1
2.2k ZONE 2
2.2k ZONE 3
2.2k ZONE 4
2.2k ZONE 5
2.2k ZONE 6
STANDARD EOLR
USE WITH XL108 OR OMNI-LCD, OMNI-KP, AND XK108L
BELL
OR
SELF-CONTAINED SIREN
TYPICAL CONNECTION FOR ZONE DOUBLING
ZONE 1
3.3k
ZONE 2
7.5k
TYPICAL DOUBLE BALANCED ZONES
TAMPER CONTACTS
2.2k
OMNI600-SOC-V0



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## NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

... Reorient or relocate the receiving antenna.
... Increase the separation between the equipment and receiver.
... Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
... Consult the dealer or an experienced radio/TV technician for help.

## CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

**AIWA CO.,LTD.**

http://www.aiwa.co.jp

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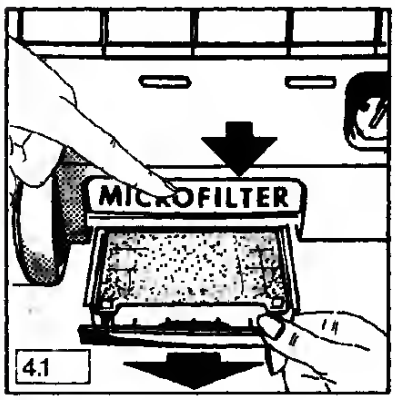
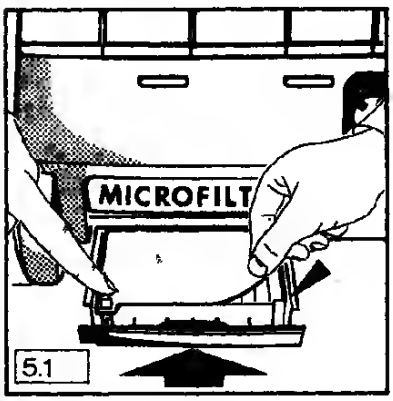
## Changing the micro-filter/ultra-micro-filter

Switch off and pull out the mains plug before changing the micro-filter.
Changing the micro-filter/ultra-micro-filter is necessary:
**For appliances with no micro-filter indicator** – when the dustbag full indicator lights up, even when a clean dustbag has been inserted, with the appliance switched on, hold the head/nozzle upwards or off the floor, if the light remains on, this indicates the micro-filter should be changed. We recommend changing the micro-filter with every fifth bag.
**For appliances with micro-filter indicator** – when this comes on.




The cassette can be opened by pressing the micro-filter button. Take out the cassette in the direction of the arrow and empty the micro-filter over a dustbin – this avoids you touching the dirty micro-filter.




Insert the new micro-filter into the cassette as shown in the illustration, push it back in parallel to the floor, and snap the cover shut.

## Motor protection filter

The motor protection filter is a permanent filter and does not have to be changed regularly. Exception: if it has been damaged. See "What to do if . . .".

## Cleaning

The cleaner housing and dustbag compartment can be cleaned with a damp cloth and then wiped dry with a soft cloth. Do not use any abrasives or solvents. The underside of the cleaner head can be cleaned with the crevice nozzle from time to time.



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rameter, press the $CO_2$ key. Then, place the probe in the location you want to measure gas concentration.

### TEMP Key

The meter will always display temperature readings from the permanent sensor on the lower line of the display. When you wish to take an external temperature reading using an RTD probe, plug any three-pronged RTD probe into the right side. Then, press the TEMP key to view the temperature from the resistive temperature detector (RTD). The letters "Prb" will display on the top line of the display and the actual temperature from the RTD on the bottom line.

To return to reading temperatures from the permanent probe, press the TEMP key again.

*Note: If the external RTD probe becomes unplugged while in "Prb" mode, the display will read "over." If the RTD probe is not plugged in and the TEMP key is pressed, nothing will happen.*

### Re-activate bypassed zones

To fully arm the system when it has been armed in Stay mode:

1. Press (*)(1) at any keypad. The interior zones are now armed.

***NOTE:*** *When you have re-activated the interior zones, you will not be able to enter areas protected by motion detectors, or open doors and windows. To access these areas, you must enter your [access code] and disarm the system.*

### Stay Button

You may also be able to quickly Stay arm your system using the "Stay" function button on your keypad. *If your installer has programmed this button,* press and hold it for two seconds to arm in Stay mode.

## Quick Arm

Your installer will tell you if the Quick Arm method has been enabled on your system. Using this method, you can quickly arm your system without having to enter an access code.

To quick arm:

1. Check that the system is ready to be armed (Ready light is ON)
2. Press (*)(0).
   - The keypad sounds fast beeps.
   - The Armed light turns ON.
   - LCD5500Z keypads display "Exit Delay in Progress".
   - The exit delay begins and the keypad beeps once every second until the end of the exit delay.
3. Exit the premises through the entry/exit door. The system will be armed in Away mode. If you do not exit the premises, the system will be armed in Stay mode. This mode also applies to individual partitions.

***NOTE:*** *Pressing (*)(0) will only arm the system. To disarm, you must enter a valid [access code].* See *"Disarming Your Security System" on page 11.*

***NOTE:*** *For Away, Stay or Quick Arming, you may restart the exit delay routine if an Entry/Exit zone is opened, restored, then reopened once again. This restart routine can occur one time only. This can be done on separate partitions.*

## "No Entry" Arming

If you want to arm the system, and no one else will be entering, you can remove the entry delay from zones that normally have one.

An entry through any zone will then create an instant alarm.

1. Check that your system is ready to be armed (Ready light is ON)
2. Press (*)(9), then your [access code].
   - The Armed light flashes as a reminder that the system is armed and has no entry delay.
   - The keypad sounds fast beeps.
   - LCD5500Z keypads display "Exit Delay in Progress".
3. The system is now armed in Stay mode.



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## Backlighting

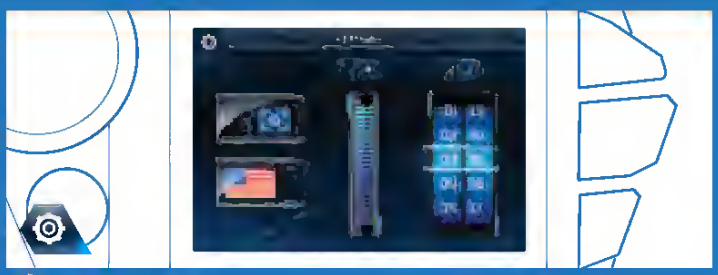
Set the custom backlighting colour for each of the 3 profile modes on the keyboard. Tap the tiles to select a colour, and then use the sliders to tweak the colour output.

Для каждого из трех режимов профиля на клавиатуре можно настроить особый цвет подсветки. Коснитесь плиток, чтобы выбрать цвет, а затем с помощью ползунков подберите желаемый оттенок.

Benutzerdefinierte Hintergrundbeleuchtungsfarbe für alle drei Profilmodi in der Tastatur. Die Farbauswahl erfolgt durch Antippen der Kacheln. Mit den Reglern wird die Farbausgabe eingestellt.

Vous pouvez définir la couleur du rétroéclairage du clavier pour chacun des trois modes de profils. Sélectionnez l'une des couleurs de la mosaïque, puis faites glisser le curseur pour en faire varier la teinte.

Regule el color de retroiluminación personalizado para cada uno de los 3 modos de perfil en el teclado. Pulse los mosaicos para seleccionar un color, luego use los controles deslizables para retocar la definición del color.



## Settings

Configure brightness and sleep time of the touch screen display.

Для сенсорного экрана можно настроить яркость и время ожидания перед отключением.

Konfigurieren Sie die Helligkeit und die Standbyzeit der Touchscreen-Anzeige.

Vous pouvez configurer la luminosité et la mise en veille de l'affichage de l'écran tactile.

Configure la intensidad de brillo y el tiempo de suspensión de la pantalla táctil.

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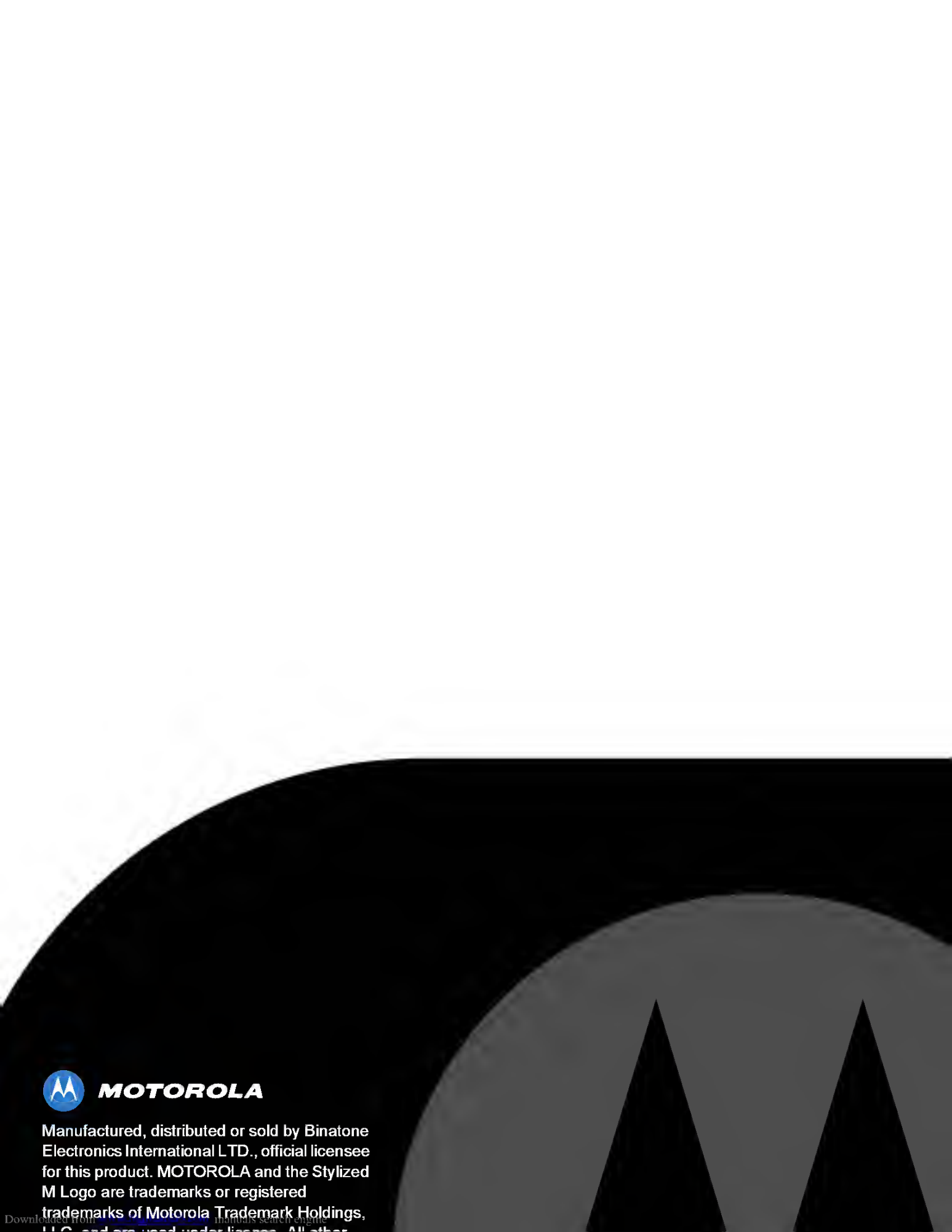


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# Instrucciónes de Manejo

## INDICE


Guía para el uso de este manual ..... 16
Especificaciones ..... 17
Características ..... 17
Arreglos Básicos ..... 18
Conexión Básica ..... 18
Panel de Controls Frontal ..... 19
Panel Posterior ..... 19
Control Remoto Universal .....19~21
Las Caracteristicas del menú en Pantalla ..... 22~23
Usando las Entradas de Audio/Video (A/V) ..... 24
Transmisión Captada ..... 25
Ajustando el Cronómetro de Tiempo para Dormir ..... 25
**Solución de problemas ..... 26~27**
Cuidado y Mantenimiento ..... 27


## GUÍA PARA EL USO DE ESTE MANUAL

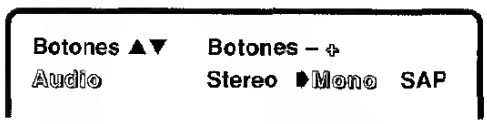
Los procedimientos de ajuste provistos en este manual complementan las instrucciones del menú en pantalla. Juntos proveén de una completa información para los ajustes. *Recuerde de observar y seguir las instrucciones del menú en pantalla, asi como leer y usar este manual.*

La símbolos usados en este manual tiene los siguientes significados:

❶ Circulos numerados indican pasos.

**LAS PALABRAS EN MAYÚSCULAS** o **SÍMBOLOS RESALTALDOS**, indican los botones presionados para operar la TV, por ejemplo; (MENU) y ▲/▼.

**Las Palabras Delineadas** representan las funciones resaltadas en el menú.




LAS PALABRAS EN MAYÚSCULAS o SÍMBOLOS indican el estado del ajuste de un control, por ejemplo; ON o OFF.

**Las Líneas sólidas** representan el primer paso o primera conexión.

Las líneas tenues representan pasos adicionales o conexiones alternas.



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## PRICE:PERFORMANCE OF THE PROLIANT 2500 SERVER

The ProLiant 2500 includes a combination of architecture and hardware features that delivers a level of performance similar to that of the Compaq ProLiant 4500 Server at an affordable price for departmental and remote office servers. Recent test results discussed below confirm that the ProLiant 2500 outperforms other servers in its class.

### TPC-C Benchmark

The Compaq ProLiant 2500 6/200 was recently performance tested using the TPC-C version 3.2 Benchmark test. The TPC-C Benchmark is an on-line transaction processing (OLTP) workload benchmark developed by the Transaction Processing Performance Council (TPC). This benchmark test simulates the demanding operations processed in complex OLTP application environments. The test was performed using Microsoft Windows NT 4.0 and SQL Server 6.5. The results were audited by an independent company.

The ProLiant 2500 6/200 with dual processors delivered performance of 3594.47 tpmC at a cost of only $82.21—significantly higher performance than leading competitors have demonstrated in published TPC-C results to date and almost triple the performance of the Compaq ProLiant 1500 5/166 Server. For details of this TPC-C test, refer to the Compaq performance summary titled *ProLiant 2500 TPC-C Performance.*

### AIM Server Benchmark

On October 9, 1996, at the UNIX EXPO Plus, AIM Technology announced the winners of its 1996 Hot Iron Awards for systems achieving the best performance while operating under Windows NT or under UNIX. The awards were based upon results of tests with the AIM Server Benchmark and AIM Subsystem Benchmark.

The ProLiant 2500 6/200 with dual processors was recognized in the following categories for servers costing less than $25,000:

| Operating System | Category | Award |
|---|---|---|
| Windows NT | File Server MIX | Best Throughput Performance |
| UNIX | Multi-User Shared System MIX | Best Throughput Performance |
| UNIX | File Server MIX | Best Throughput Performance |
| UNIX | File Server MIX | Best Price/Performance Throughput |

## SYSTEM MANAGEABILITY

Typical departments and remote offices have limited personnel and budget for system and network administration. The decentralization of applications and the need to interconnect a growing number of users stretch administration resources and demand cost-effective server management and maintenance.

The ProLiant 2500 includes a full complement of server management features:

- Automatic Server Recovery (ASR-2)
- Fan spin sense
- Internal temperature sense
- Performance monitoring



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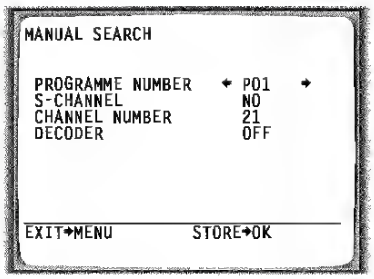
# Decoder allocation

Some TV channels transmit encoded TV signals which can only be viewed with a commercially purchased or hired decoder without disturbances. You can connect such a decoder (descrambler) to this video recorder. The following function will automatically activate the connected decoder for the desired TV channel.

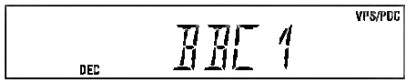
1. Switch the TV on. If applicable, select the programme number for the video recorder operation.
2. Use the buttons **P↑+**, **P↓−** on the video recorder or the number buttons **0-9** on the remote control to select the TV channel which you would like to allocate the decoder to.
3. Press the button **MENU** on the remote control. The main menu will appear.
4. Use the buttons **P↑+** or **P↓−** to select the line 'MANUAL SEARCH' and confirm with **OK**.




5. Use the buttons **P↓−** or **P↑+** to select the line 'DECODER'.
6. Use the buttons **◁−** or **◁+→** to select 'ON' (Decoder switched on)

**How can I switch off the decoder?**
Use the button **◁+→** on the screen to select 'OFF' (Decoder switched off)

7. Confirm with **OK**.
8. End with the button **MENU**.




The decoder has now been allocated to this TV channel.
If this TV channel is chosen, the symbol 'DEC' will appear in the video recorder display.



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## Supporting Timing modes

| | |
|---|---|
| **VESA** | 640 x 480 @ 60Hz |
| **VESA** | 640 x 480 @ 72Hz |
| **VESA** | 640 x 480 @75Hz |
| **VESA** | 800 x 600 @ 56Hz |
| **VESA** | 800 x 600 @ 60Hz |
| **VESA** | 800 x 600 @ 72Hz |
| **VESA** | 800 x 600 @ 75Hz |
| **MAC** | 832 x 624 @ 75Hz |
| **VESA** | 1024 x 768 @ 60Hz |
| **VESA** | 1024 x 768 @ 70Hz |
| **VESA** | 1024 x 768 @ 75Hz |
| **VESA** | 1280 x 1024 @ 60Hz |
| **VESA** | 1280 x 1024 @ 75Hz |

**Warning :** Do not set the graphic card in your computer to exceed these maximum refresh rates. Doing so may result in permanent damage to your monitor.



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# Specifications

| Item | Description |
|---|---|
| Model | 5 Mega-pixel camera |
| Image sensor | 5 Mega (2592x1944 pixels) |
| Resolution | Still image: 3M/5M<br>1280x720 (HD)<br>720x480 (D1)<br>352x288 (CIF) |
| Lens | 3X optical zoom lens |
| File format | MOV, JPEG |
| Video frame rate | 1280x720, up to 30fps<br>720x480, up to 30fps<br>352x288, up to 30fps |
| External memory | SD (256MB ~ 4GB), speed rate 12X above |
| LCD display | 2.4" LCD |
| TV out | Component out, NTSC/PAL system supported |
| Interface | USB 2.0 |
| Microphone | Yes |
| Speaker | Yes |
| Night shot | Yes (both in still image and video modes) |
| Battery | NP60 compatible Li-ion rechargeable battery |

**Note:** Specifications are subject to change without notification.



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# Using the keyboard

The keyboard has full-sized keys and an embedded keypad, separate cursor keys, two Windows keys and 12 function keys.

## Lock keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.

| Lock key | Description |
|---|---|
| Caps Lock | When Caps Lock is on, all alphabetic characters typed are in uppercase. |
| Num Lock<br>**<Fn> + <F11>** | When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad. |
| Scroll Lock<br>**<Fn> + <F12>** | When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications. |

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

| Desired access | Num Lock on | Num Lock off |
|---|---|---|
| Number keys on embedded keypad | Type numbers in a normal manner. | |
| Cursor-control keys on embedded keypad | Hold **<Shift>** while using cursor-control keys. | Hold **<Fn>** while using cursor-control keys. |
| Main keyboard keys | Hold **<Fn>** while typing letters on embedded keypad. | Type the letters in a normal manner. |

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# Avis réglementaires et de sécurité

## Avis FCC

Cet appareil a été testé et reconnu conforme aux normes applicables au matériel informatique de Classe B, en vertu de l'article 15 des Réglementations de la FCC. Ces normes visent à fournir aux installations résidantes une protection raisonnable contre les interférences. Cet appareil génère, utilise et peut diffuser des signaux radioélectriques. En outre, s'il n'est pas installé et employé conformément aux instructions, il peut provoquer des interférences nuisibles aux communications radio.
Quoi qu'il en soit, on ne peut pas garantir que des interférences ne se produiront pas dans certaines installations. Si l'appareil est à l'origine de nuisances vis-à-vis de la réception de la radio ou de la télévision, ce que l'on peut déterminer en l'allumant puis en l'éteignant, il est recommandé à l'utilisateur de prendre l'une des mesures suivantes pour tenter de remédier à ces interférences :

- Réorientez ou changez l'antenne réceptrice de place.
- Éloignez l'appareil du récepteur.
- Branchez l'appareil à une prise appartenant à un circuit différent de celui du récepteur.
- Consultez le fournisseur ou un technicien radiotélévision expérimenté.

## Conditions de fonctionnement

Cet appareil est conforme à l'article 15 des Réglementations de la FCC. L'utilisation de cet appareil est soumise aux deux conditions suivantes : (1) cet appareil ne doit pas provoquer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris des interférences qui peuvent provoquer un fonctionnement non désiré.

## Attention

Les changements ou modifications qui ne seraient pas expressément approuvés par le fabricant pour la conformité pourraient vous faire perdre le droit à faire fonctionner ce produit qui est décerné par la Federal Communications Commission.

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3 **Cable de alimentación de CA**
- Cuando desconecte el cable de alimentación de CA, sujete la clavija de alimentación de CA y tire de ella. No tire del propio cable.
- Nunca maneje la clavija de alimentación de CA con las manos mojadas porque podría producirse un incendio o una sacudida eléctrica.
- Los cables de alimentación deberán colocarse de forma que no sean doblados excesivamente, pellizcados o pisados. Tenga mucho cuidado con el cable que va de la unidad a la toma de corriente.
- Evite sobrecargar las tomas de CA y los cables de extensión más allá de su capacidad porque esto podría causar un incendio o una sacudida eléctrica.

4 **Cable de extensión** — Para evitar sacudidas eléctricas, no utilice la clavija de alimentación de CA polarizada con un cable de extensión, ni tampoco en un receptáculo u otra toma de corriente a menos que la clavija polarizada pueda insertarse completamente evitando que sus patillas queden expuestas.

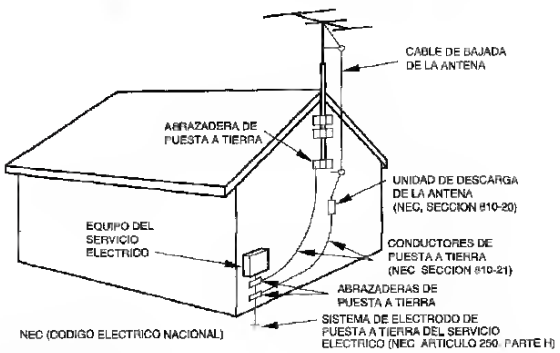
5 **Periodos de no utilización** — Desenchufe el cable de alimentación de CA de la toma de corriente si la unidad no va a ser utilizada durante varios meses o más. Cuando el cable de alimentación esté conectado, por la unidad continuará circulando una pequeña cantidad de corriente, aunque la alimentación esté desconectada.

**Antena exterior**

1 **Líneas de alta tensión** — Cuando conecte una antena exterior, asegúrese de colocarla lejos de las líneas de alta tensión.

2 **Conexión a tierra de la antena exterior** — Asegúrese de que el sistema de la antena esté conectado correctamente a tierra para proporcionar así una protección contra el exceso inesperado de tensión o contra la acumulación de electricidad estática. El artículo 810 del Código Eléctrico Nacional, ANSI/NFPA70, proporciona información acerca de la puesta a tierra apropiada del mástil de la antena, la estructura de apoyo y el cable de bajada a la unidad de descarga de la antena, así como también del tamaño de la unidad de puesta a tierra, la conexión de los terminales de puesta a tierra y los requisitos para conectar a tierra los mismos terminales.

**Puesta a tierra de la antena según el Codigo Electrico Nacional**


CABLE DE BAJADA DE LA ANTENA
ABRAZADERA DE PUESTA A TIERRA
UNIDAD DE DESCARGA DE LA ANTENA (NEC, SECCION 810-20)
EQUIPO DEL SERVICIO ELECTRICO
CONDUCTORES DE PUESTA A TIERRA (NEC SECCION 810-21)
ABRAZADERAS DE PUESTA A TIERRA
SISTEMA DE ELECTRODO DE PUESTA A TIERRA DEL SERVICIO ELECTRICO (NEC ARTICULO 250, PARTE H)
NEC (CODIGO ELECTRICO NACIONAL)

**Mantenimiento**

Limpie la unidad sólo como se recomienda en el manual de instrucciones.

**Daños que necealtan ser reparados**

Haga que un tecnico en reparaciones cualificado le repare las unidades si:
- El cable de alimentación de CA o su clavija está estropeado.
- Objetos extraños o líquidos han entrado en la unidad.
- La unidad ha estado expuesta a la lluvia o al agua.
- La unidad no parece funcionar normalmente.
- La unidad muestra un cambio considerable en sus prestaciones.
- La unidad se ha caído o la caja se ha estropeado.

NO TRATE DE REPARAR LA UNIDAD USTED MISMO.

# INDICE


PRECAUCIONES ..... 1

**PREPARATIVOS**

CONEXIONES ..... 3
CONTROL REMOTO ..... 5
ANTES DE LA OPERACION ..... 5

**SONIDO**

AJUSTES DE AUDIO ..... 6
ECUALIZADOR GRAFICO ..... 6

**RECEPCION DE LA RADIO**

SINTONIZACION MANUAL ..... 7
PREAJUSTE DE EMISORAS ..... 7

**REPRODUCCION DE CINTAS**

OPERACIONES BASICAS ..... 8

**REPRODUCCION DE DISCOS COMPACTOS**

OPERACIONES BASICAS ..... 9
REPRODUCCION PROGRAMADA ..... 10

**GRABACION**

GRABACION BASICA ..... 11
COPIADO MANUAL DE UNA CINTA ..... 12
COPIADO DE TODA LA CINTA ..... 12
GRABACION CON EDICION AI ..... 13
GRABACION CON EDICION PROGRAMADA ..... 14

**RELOJ Y TEMPORIZADOR**

PUESTA EN HORA DEL RELOJ ..... 15
AJUSTE DEL TEMPORIZADOR PARA DORMIR ..... 15
AJUSTE DEL TEMPORIZADOR ..... 16

**OTRAS CONEXIONES**

CONEXION DE UN EQUIPO OPCIONAL ..... 17
ESCUCHA DE FUENTES DE SONIDO EXTERNAS ..... 17

**GENERALIDADES**

CUIDADOS Y MANTENIMIENTO ..... 18
GUIA PARA LA SOLUCION DE PROBLEMAS ..... 18
ESPECIFICACIONES ..... 19

INDICE DE LAS PARTES ..... *Cubierta trasera*


E



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- Tap. Touch the screen once with the stylus to open items and select options.
- Drag. Hold the stylus on the screen and drag across the screen to select text and images. Drag in a list to select multiple items.
- Tap and hold. Tap and hold the stylus on an item to see a list of actions available for that item. On the pop-up menu that appears, tap the action you want to perform.

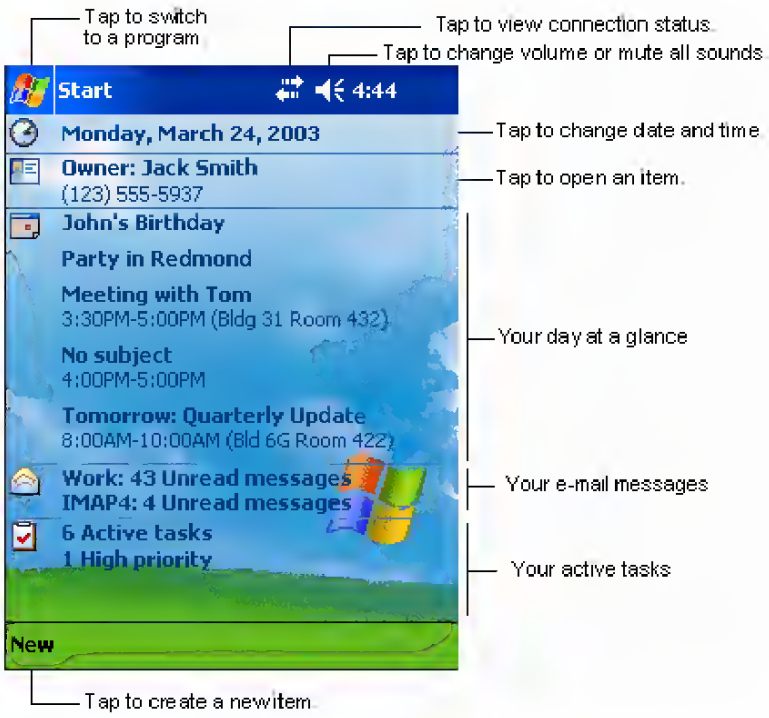
## Today screen

The center of the Today screen provides, at a glance, information that you need for the day. Tap an item to view or edit details.

At the top to the screen are status icons. Tap an icon to view details or change options. These icons appear at the top of every screen on your handheld device, not just the Today screen.

When you turn on your handheld device for the first time each day, or after hours of inactivity, the Today screen is displayed.

You can also display it by tapping and then Today.



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### 4.7 Display Dialing Number (If AT&In Command support)Option

$DTXAn n=0,1

n=0 Disable display Dialing number (Default)

n=1 Enable display Dialing number

A? Display Current status

### 4.8 Auto Dial/Redial mode Option

&In n=0, 1, 2, 3

n=0 Disable auto dial/redial mode (Default)

n=1 auto dial/redial &Z0

n=2 auto dial/redial &Z0, &Z1, &Z2, &Z3

n=3 auto dial/redial last dial number



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# Compatibility Modes

| Mode | Resolution | (ANALOG) | |
|---|---|---|---|
| | | V.Frequency (Hz) | H.Frequency (kHz) |
| VESA VGA | 640 X 350 | 70 | 31 5 |
| VESA VGA | 640 X 350 | 85 | 37.9 |
| VESA VGA | 640 X 400 | 70 | 31.5 |
| VESA VGA | 640 X 400 | 85 | 37.9 |
| VESA VGA | 640 X 480 | 80 | 31.5 |
| VESA VGA | 640 X 480 | 72 | 37.9 |
| VESA VGA | 640 X 480 | 75 | 37.5 |
| VESA VGA | 640 X 480 | 85 | 43 3 |
| VESA VGA | 720 X 400 | 70 | 31.5 |
| VESA VGA | 720 X 400 | 85 | 37 9 |
| SVGA | 800 X 600 | 56 | 35.2 |
| SVGA | 800 X 800 | 60 | 37.9 |
| SVGA | 800 X 600 | 72 | 48 1 |
| SVGA | 800 X 600 | 75 | 46.9 |
| SVGA | 800 X 600 | 85 | 53 7 |
| * VESA XGA | 1024 X 768 | 43 | 35 5 |
| * VESA XGA | 1024 X 768 | 60 | 48 4 |
| * VESA XGA | 1024 X 768 | 70 | 56.5 |
| * VESA XGA | 1024 X 768 | 75 | 60 0 |
| * VESA XGA | 1024 X 768 | 85 | 68.7 |
| MAC LC13" | 640 X 480 | 66.66 | 34.98 |
| MAC II 13" | 640 X 480 | 66 68 | 35 |
| MAC 16" | 832 X 624 | 74.55 | 49.725 |
| * MAC 19" | 1024 X 768 | 75 | 60.24 |
| MAC G4 | 640 X 480 | 60 | 31 35 |
| MAC G4 | 640 X 480 | 120 | 68.03 |
| * MAC G4 | 1024 X 768 | 120 | 97.09 |
| I MAC DV | 640 X 480 | 117 | 60 |
| * I MAC DV | 1024 X 768 | 75 | 60 |
| NEC PC-98 SERIES | 640 X 400 | 56.42 | 24.83 |
| NEC PC-98 SERIES | 640 X 480 | 70 | 31 5 |
| NEC PC-98 SERIES | 640 X 480 | 60 | 31.5 |
| FUJITSU FM-TOWN | 640 X 480 | 55.37 | 24.37 |
| FUJITSU FM-TOWN | 640 X 480 | 60 | 31.5 |

* compression computer image

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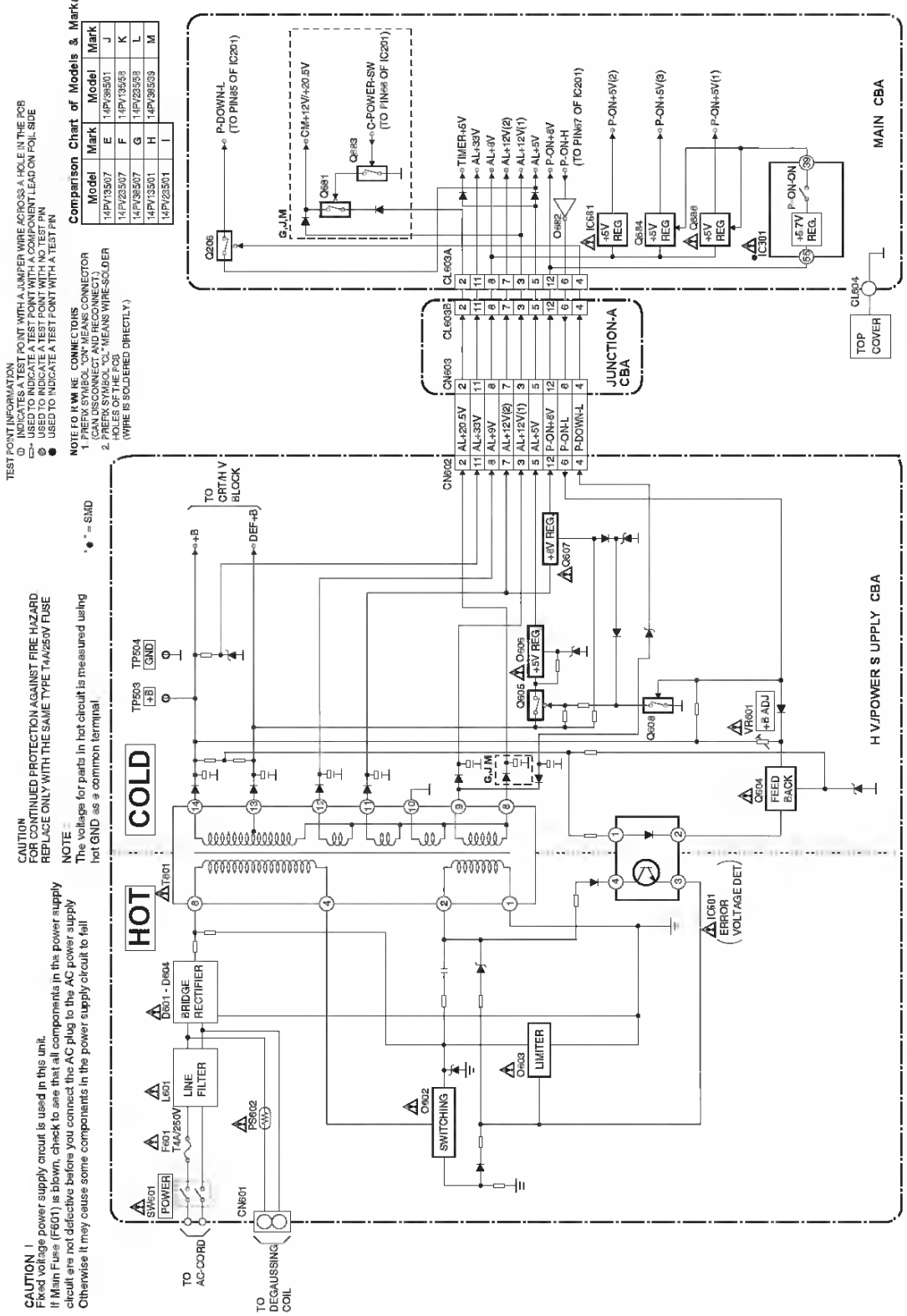
# Power Supply Block Diagram



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**NOTE**

Prior to entering any loopback command, the line card must be removed from service.

Remove card from service = **RMV-HDSL;**
H2TU-C Network Loopback
Loop up command = **OPR-LPBK-HDSL::RT-1-21-C:::NEND;**
Loop down command = **RLS-LPBK-HDSL::RT-1-21-C:::NEND;**
H2TU-C Customer Loopback
Loop up command = **OPR-LPBK-HDSL::RT-1-21-C:::FEND;**
Loop down command = **RLS-LPBK-HDSL::RT-1-21-C:::FEND;**
H2TU-R Network Loopback
Loop up command = **OPR-LPBK-HDSL::RT-1-21-R:::NEND;**
Loop down command = **RLS-LPBK-HDSL::RT-1-21-R:::NEND;**
H2TU-R Customer Loopback
Loop up command = **OPR-LPBK-HDSL::RT-1-21-R:::FEND;**
Loop down command = **RLS-LPBK-HDSL::RT-1-21-R:::FEND;**

Upon completion of loopback testing, return the card to service.

Restore card to service = **RST-HDSL;**



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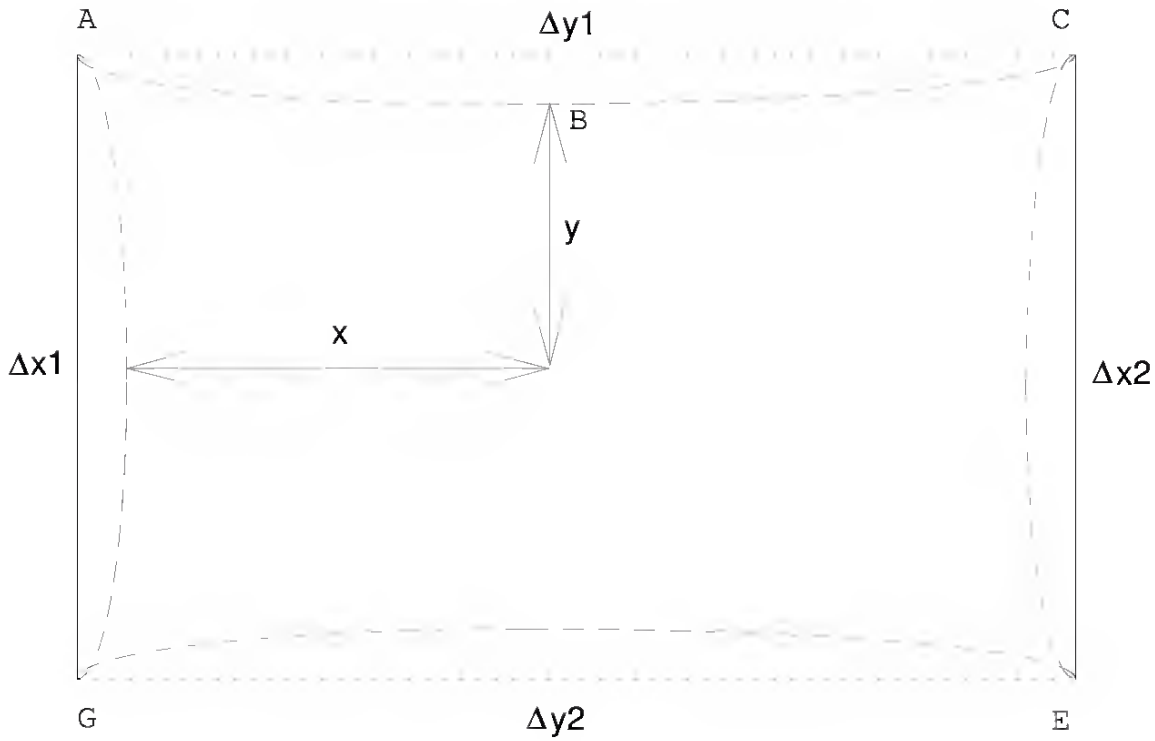


→ [AC+EG]/2, [AG+CE]/2 represented as display area width and
→ height
→ Top/Bottom Pincushion = y1 or y2
→ Side Pincushion = x1 or x2
→ Linearity (TCO99) = x1/x or y1/y


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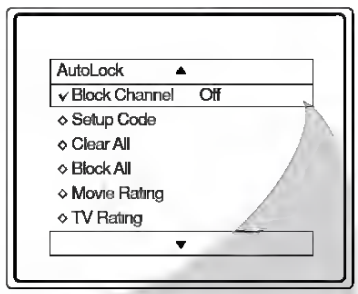
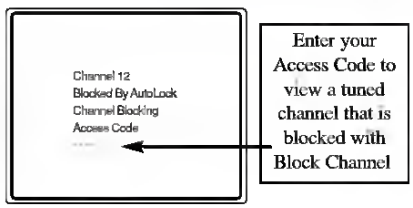
# 26 BLOCK CHANNELS

*After your personal access code has been set (see previous page), you are now ready to select the channels or the A/V Inputs you want to block out or censor. Once you've entered your access code and the AutoLock™ features are displayed on the screen:*



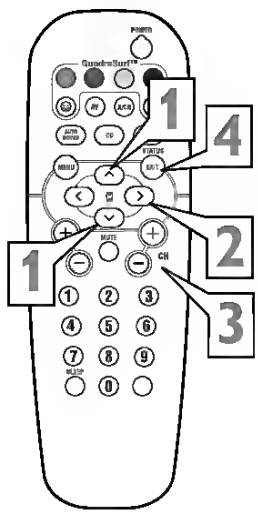

**1** **Press the CURSOR UP ∧ or DOWN ∨ buttons** until the words **Block Channel** are highlighted.

**2** **Press the CURSOR RIGHT > button** to turn blocking **ON** or **OFF** for that channel. When **ON** is selected the channel will be blocked.


Channel 12
Blocked By AutoLock
Channel Blocking
Access Code
Enter your Access Code to view a tuned channel that is blocked with Block Channel

**3** **Press the CH + or CH – button** to select other channels you wish to block. Repeat steps 2-3 to block the new channel.

**4** **When finished, press the STATUS/EXIT button** to remove the menu from the screen.




**NOTE:** If you ever forget your code, the 0, 7, 1, 1 code is the factory default and can be used to enter and create a new access code.

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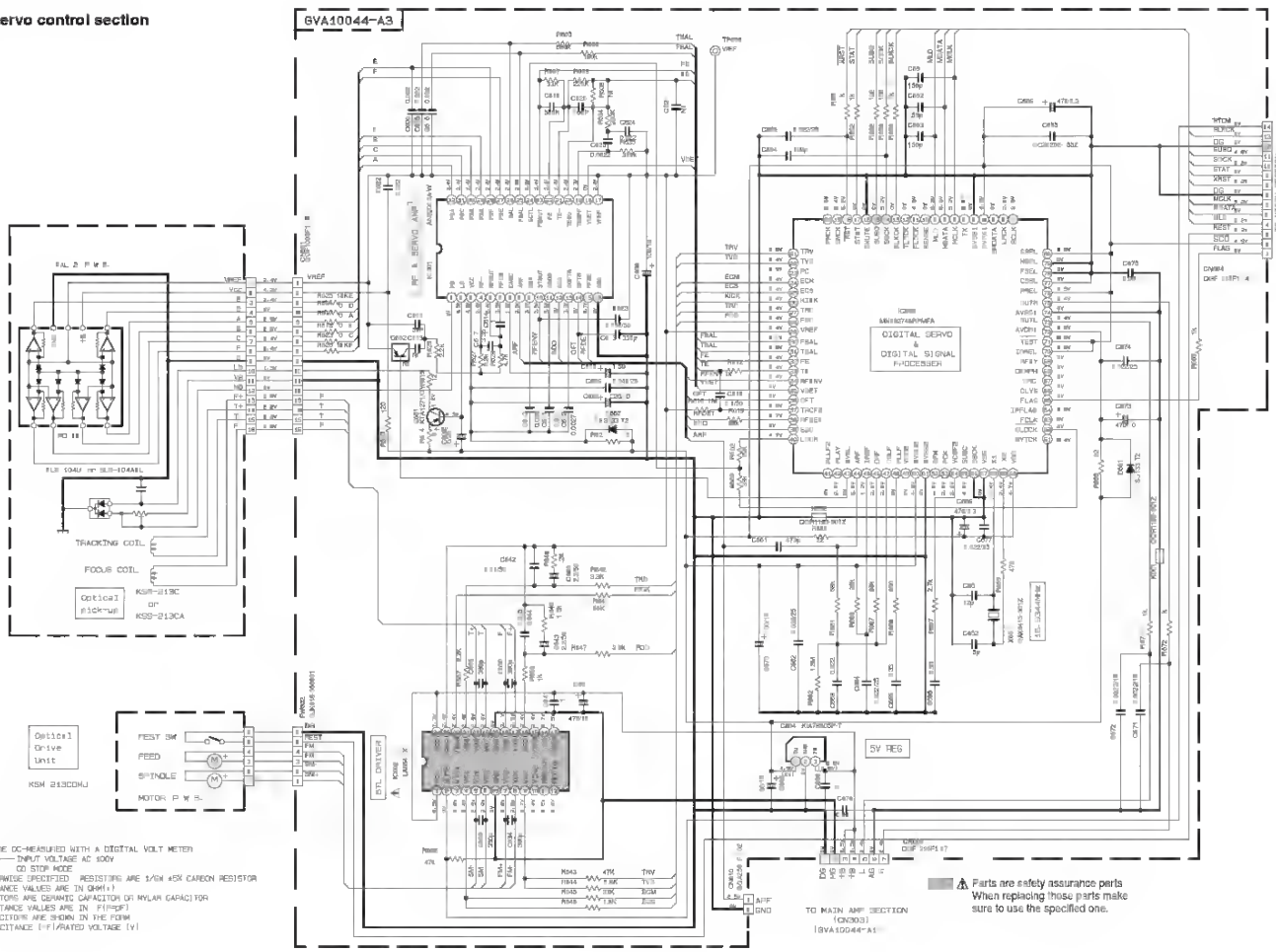
## ■ CD servo control section




NOTE:
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   CONDITION ——— INPUT VOLTAGE AC 100V
   CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/6W ±5% CARBON RESISTOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω)
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR
   ALL CAPACITANCE VALUES ARE IN P(PF)
   ALL E CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V)

⚠ Parts are safety assurance parts
When replacing these parts make sure to use the specified one.



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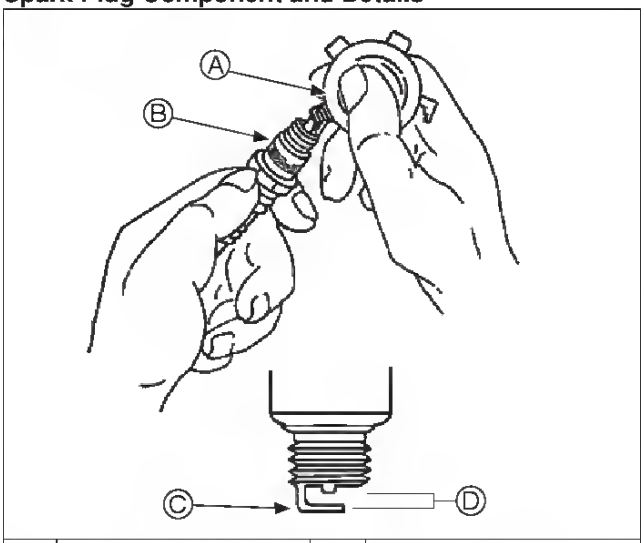
## SPARK PLUGS

**⚠ CAUTION**

Electrical Shock can cause injury
Do not touch wires while engine is running

### Spark Plug Component and Details




| | | | |
|---|---|---|---|
| **A** | Wire Gauge | **B** | Spark Plug |
| **C** | Ground Electrode | **D** | Gap |

NOTE Do not clean spark plug in a machine using abrasive grit Some grit could remain in spark plug and enter engine causing extensive wear and damage

Engine misfire or starting problems are often caused by a spark plug that has improper gap or is in poor condition

Engine is equipped with following spark plugs

| | |
|---|---|
| Gap | 0 76 mm (0 03 in ) |
| Thread Size | 14 mm |
| Reach | 19 1 mm (3/4 in ) |
| Hex Size | 15 9 mm (5/8 in ) |

Refer to Maintenance for Repairs/Service Parts

### Service

Clean out spark plug recess Remove plug and replace

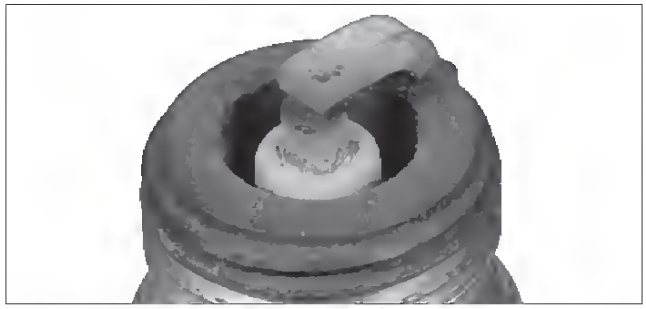
1 Check gap using wire feeler gauge Adjust gap to 0 76 mm (0 03 in )
2 Install plug into cylinder head
3 Torque plug to 27 N m (20 ft lb )

### Inspection

Inspect each spark plug as it is removed from cylinder head Deposits on tip are an indication of general condition of piston rings, valves, and carburetor

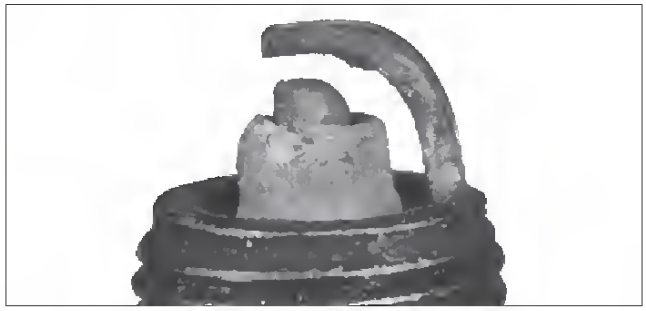
Normal and fouled plugs are shown in following photos

**Normal**



Plug taken from an engine operating under normal conditions will have light tan or gray colored deposits If center electrode is not worn, plug can be set to proper gap and reused

**Worn**



On a worn plug, center electrode will be rounded and gap will be greater than specified gap Replace a worn spark plug immediately

**Wet Fouled**

A wet plug is caused by excess fuel or oil in combustion chamber Excess fuel could be caused by a restricted air cleaner, a carburetor problem, or operating engine with too much choke Oil in combustion chamber is usually caused by a restricted air cleaner, a breather problem, worn piston rings, or valve guides



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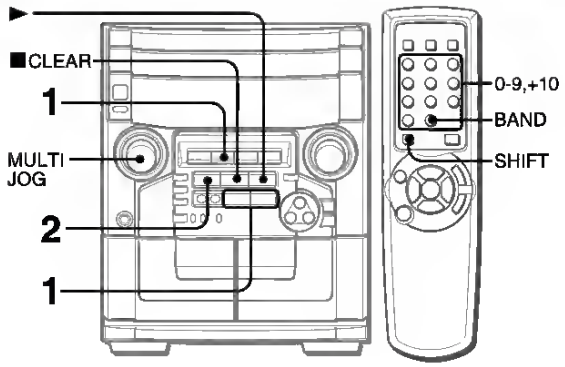
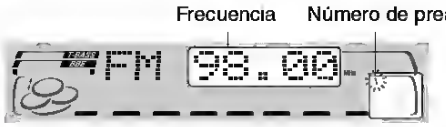
# PREAJUSTE DE EMISORAS




La unidad puede almacenar un total de 32 emisoras. Cuando almacene una emisora, a esa emisora se le asignará un número de preajuste. Utilice el número de preajuste para sintonizar directamente una emisora preajustada.

*1* **Pulse TUNER BAND para seleccionar una banda, y pulse ◄◄ DOWN o ►► UP para seleccionar una emisora.**

*2* **Pulse II SET para almacenar la emisora.**
A las emisoras de cada banda se les asigna un número de preajuste en orden consecutivo empezando por el 1.




*3* **Repita los pasos 1 y 2.**
La siguiente emisora no se almacenará si ya se ha almacenado un total de 32 emisoras de preajuste de todas las bandas.

**NOTA**

FULL" se visualiza si intenta almacenar más de 32 emisoras preajustadas.stations.

## SINTONIZACION MEDIANTE NUMERO DE PREAJUSTE

Utilice el control remoto para seleccionar directamente el número de preajuste.

*1* **Pulse BAND mientras pulsa SHIFT para seleccionar una banda.**

*2* **Pulse los botones numerados 0-9 y +10 para seleccionar un número de preajuste.**
Ejemplo:
Para seleccionar el número de preajuste 20, pulse **+10**, **+10** y **0**.
Para seleccionar el número de preajuste 15, pulse **+10** y **5**.

**Selección de un número de preajuste en la unidad principal**

Pulse **TUNER BAND** para seleccionar una banda. Luego, pulse repetidamente ► o gire **MULTI JOG**.
Cada vez que se pulse ► se seleccionará el siguiente número más alto.

**Para borrar una emisora preajustada**

Seleccione el número de preajuste de la emisora que vaya a borrar. Luego, pulse ■ **CLEAR**, y pulse II **SET** antes de que pasen 4 segundos.
Los números de preajuste superiores de todas las demás emisoras de la banda disminuirán también en uno.



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# Removing the Bezel Blanks

To remove a bezel blank from the front bezel:

> **CAUTION:** Before removing the front bezel, make sure that the server is powered down, all cables are disconnected from the server, and the power cord is disconnected from the grounded AC.

1. Remove front bezel. See "Removing the Front Bezel" earlier in this chapter.
2. On the back side of the front bezel, pinch the tabs ❶ on either end of the bezel blank toward each other, then push the bezel blank ❷ through the front bezel.

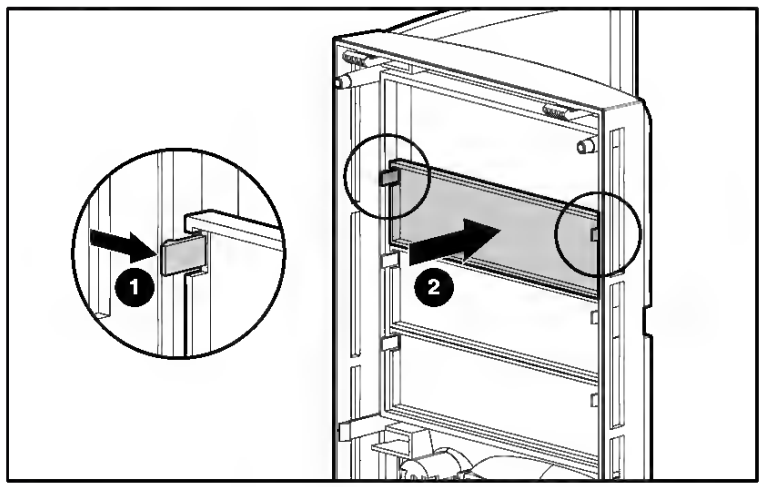


Figure 3-3. Removing a bezel blank

To replace a bezel blank, reverse the above procedure.

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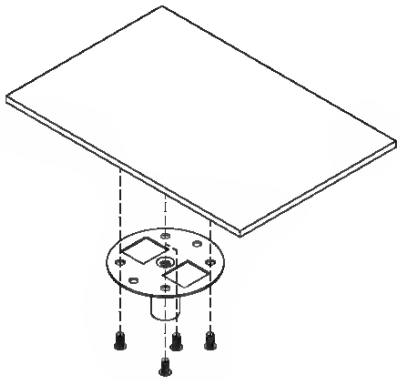
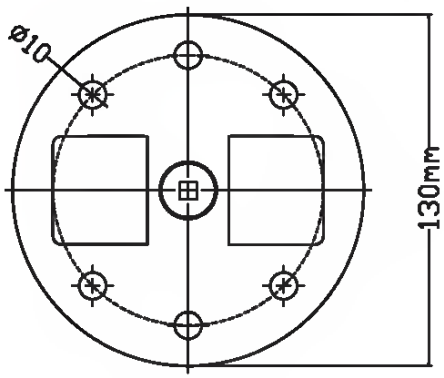
# Ceiling Mount Installation

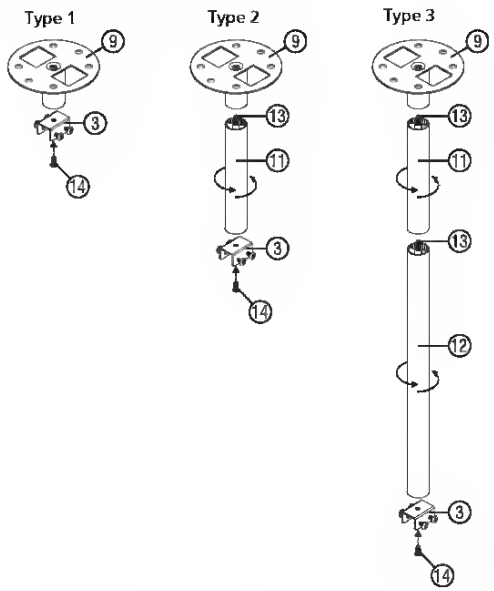
If you wish to install the projector using a ceiling mount, please refer to the steps below:

1 Drill four holes into a solid, structurally sound part of the ceiling, and secure the mount base.






2 Choose the length combination based on actual environment. (CM-01S doesn't include Type 2 and Type 3.)




3 Type 1: For the standard size use three bracket screws to mount the projector to the ceiling mount bracket.

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# Boards

This section describes how to remove and replace the hot-pluggable hard drive backplane board, the processor backplane board, memory modules, the system I/O board tray assembly, processor power module, processor chip, processor board, and expansion boards.

## Drive Cage with Hot-Pluggable Drive Backplane Board

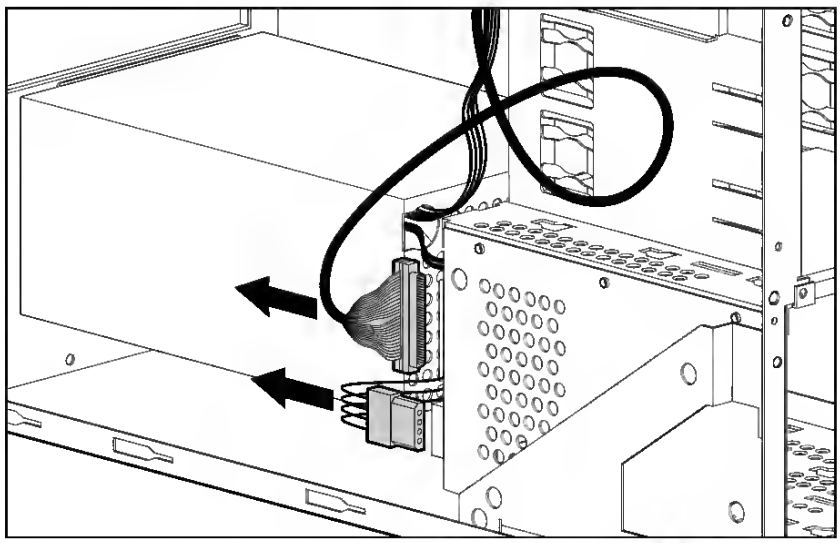

**Figure 2-22.** Removing the Cables from the Hot-Pluggable Drive Backplane Board

1. Remove the large access panel.
2. Disconnect the signal and power cables from the backplane board.



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| | |
|---|---|
| **High Altitude** | Choose "On" to turn on the High Altitude mode. When this function is turned on, the projector fans operate at full speed continuously to cool down the projector's temperature. |
| **Auto Shutdown (Minutes)** | The projector will automatically shut down while there is no signal input detected after the setting time. |
| **Lamp Hour Elapse** | Displays the lamp's elapsed operating time (in hours). |
| **Lamp Reminding** | Choose this function to show or hide warning message when the changing lamp message is displayed. The message will show up 30 hours before end of life. |
| **Lamp Hour Reset** | Press ▶ after choosing "Yes" to turn the lamp hour counter to 0 hours. |

# Audio

| | |
|---|---|
| **Volume** | • Press ◀ to decrease the volume.<br>• Press ▶ to increase the volume. |
| **Mute** | • Choose "On" to turn mute on.<br>• Choose "Off" to turn mute off. |

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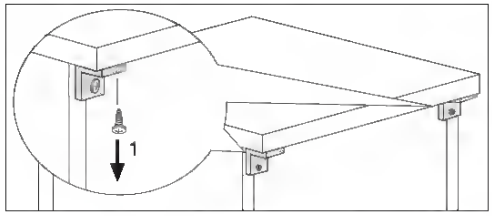
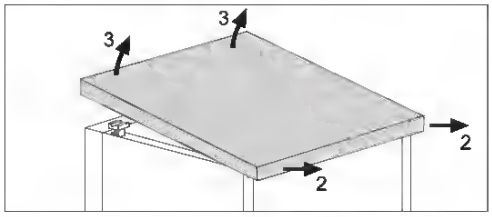
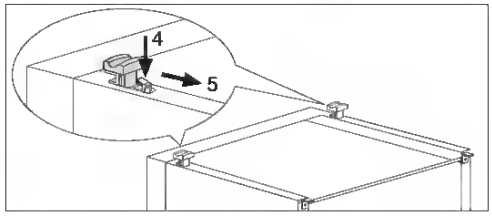
- If the dishwasher is installed underneath a kitchen work surface, the original work surface of the dishwasher is to be removed as follows:
  - Unscrew the screws (1) from the elbows on the back side.
  - Slide the work surface approx. 1cm to the rear (3), lift at the front (4) and remove.
  - Press the work surface retaining brackets at the position shown in the diagram (4) and remove the bracket at an angle to the rear (5).




- The dishwasher must also be screwed on tightly to the work surface or to the adjoining units. This is essential to ensure the dishwasher does not tip.

If the dishwasher is later used as a free-standing appliance, the original work surface must be re-mounted.

The plinth on free-standing appliances is not adjustable.



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**Problem: Message Reminders**

- "Lamp is approaching the end of its useful life in full power operation. Replacement Suggested!" will be shown about 10 seconds when lamp life is going to deplete.
- "Projector Overheated. Lamp will automatically turn off soon." will be shown when the system temperature is over heat.
- "Fan fail. Lamp will automatically turn off soon." will be shown when the fan is out of order.



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# LIMITED WARRANTY

## COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)

This product can be repaired in-home.

### WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

### WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter*, all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

### WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

### WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

### MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

### BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

### TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

### TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-894-5463
1-800-363-7278

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

### REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

YEAR 2000 READY

*This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.*

**Philips Consumer Electronics Company, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800**

Printed in U.S.A.



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# Memory Modules

**CAUTION:** Electrostatic discharge (ESD) can damage electronic components. Be sure that you are properly grounded (earthed) before beginning any installation procedure. Refer to "Electrostatic Discharge Information" earlier in this chapter.

To remove a memory module:

1. Complete the preparation procedures. Refer to "Preparation Procedures" earlier in this chapter.
2. Open the bezel door. Refer to "Bezel Door" earlier in this chapter.
3. Remove the access panel. Refer to "Access Panel" earlier in this chapter.
4. Press both memory module socket latches outward (1). This action releases the module and partially pushes it out of the socket.
5. Lift out the memory module (2).

**IMPORTANT:** A memory module can be installed only one way. Be sure to match the key sockets on the module with the tabs on the memory socket. Push the module down into the socket, be sure that the module is fully inserted and properly seated.

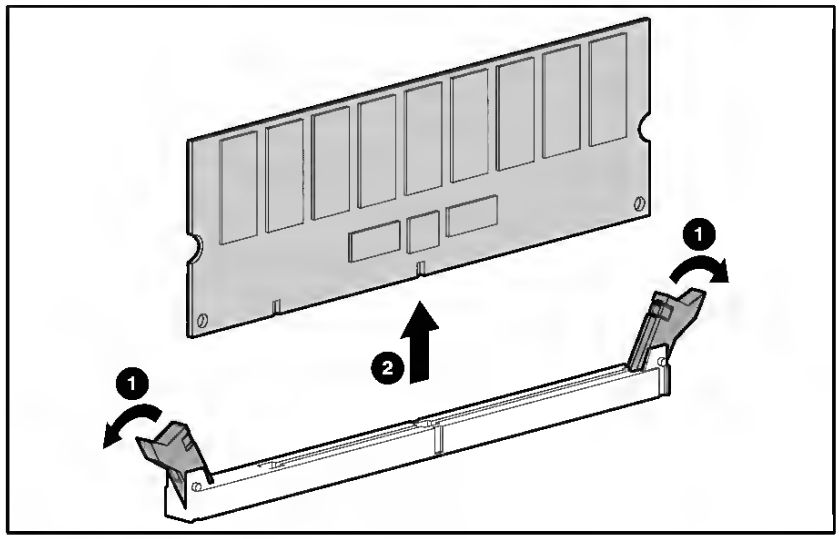


**Figure 2-23: Removing a memory module**

To replace a memory module, reverse steps 2 through 5.

## Resetting Voicemail Password

The **Voicemail PIN** is the parameter used to set individual passwords that users must enter to access their voicemail. To recover a lost or forgotten password, the **Voicemail PIN** must be reset. Follow the instructions below to reset a voicemail password. The default password is **1234**.

1. Navigate to the **Voice** > **Stations** > **User Accounts** screen.

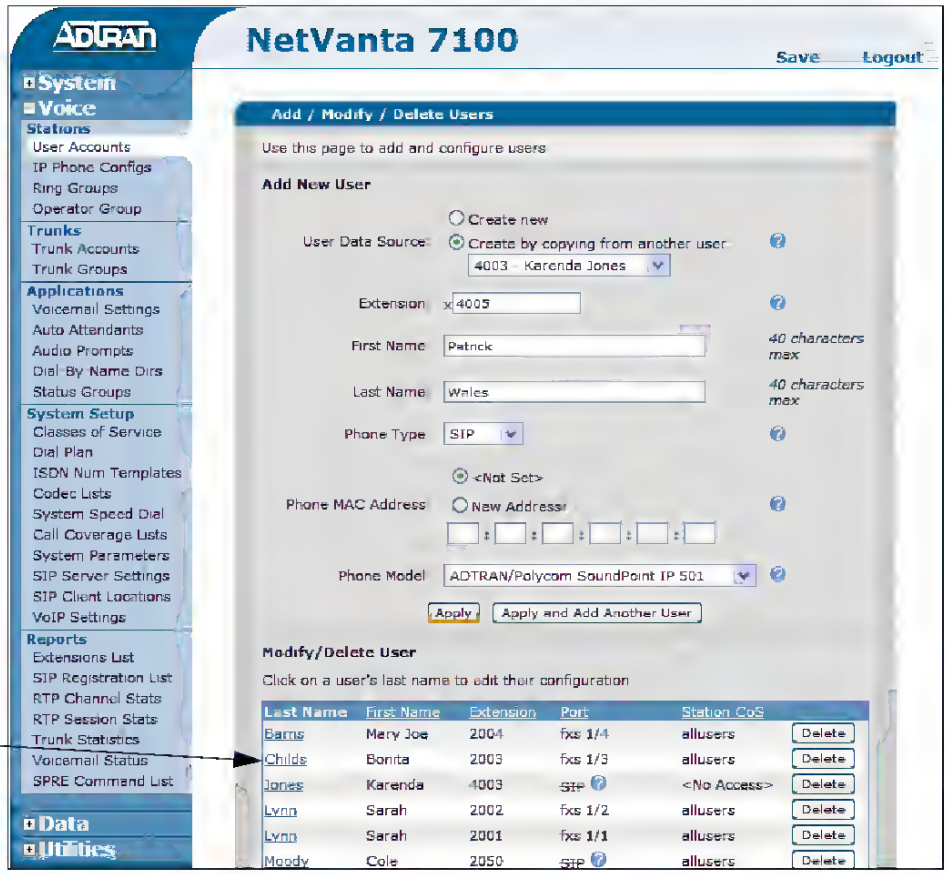


**Figure 27. User Accounts Menu**

2. Scroll to the bottom of the screen and select the user's last name to access the user's settings. This step automatically takes you to the **Edit User** configuration screen.


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# Appendix: An Introduction to LCD Technology

## Principles of LCD Technology

The functionality of LCD (Liquid Crystal Display) screens is based on the special physical properties of liquid crystals. Their rod shaped molecules arrange themselves similarly to the molecules of crystals - always uniformly and in one particular direction. Yet liquid crystals are not set in this orientation, but behave like a liquid: They can be manipulated by applying an electric voltage. The layers of the liquid crystal molecules can therefore be longitudinal or diagonal to the polarising direction of the light and thereby have a varying effect on the course of light waves.

### LIQUID CRYSTALS POLARISE INCIDENT LIGHT

An LC display consists of two polarising filters, a control layer, the respective colour filters and the liquid crystal layer.

The light from a background lamp hits an initial polarisation membrane so that only a specific plane of polarisation of the light reaches the liquid crystal layer. Without any external electrical influence the liquid crystal molecules arrange themselves in a screw-like shape between the two vertically aligned polarising filters and the directional structure imposed as a result. The light follows this orientation and is rotated by 90 degrees. The second polarising filter only allows through light with this rotated polarisation. The light valve is open - as a result the controlled pixel lights up.

If an electrical voltage is applied, the liquid crystal molecules orientate themselves along the field lines. The 90' screw is lifted up, the LC molecules appear parallel to the incident light and allow it to pass through without altering the polarising direction. The unrotated light hits the second, rotated polarising filter and is blocked. As a result the corresponding pixel remains dark. The intensity of the departing, visible light can be controlled by means of the voltage applied to the crystal layer and the polarised light rotated to a greater or lesser extent as a result.

## The TFT panel

### A. The standard TFT panel

With TFT displays, also called active matrix, the light transmitting capacity of each pixel is in each case controlled by a transistor. The pixels can therefore be operated individually and addressed very quickly, which in turn guarantees perfect display even of moving images. With high-resolution LCDs well over two million pixels (three colour dots for the primary colours red, green and blue per pixel) have to be controlled. The voltage is continuously on so that the image does not have to be rebuilt constantly. The great advantage of this is that LC displays do not flicker, even when they are controlled at low refresh frequencies (e.g. at 60 Hz). Because faulty transistors can occur during production, pixel errors resulting from this are unavoidable.

### B. The super TFT panel

The super TFT panel works according to the same physical principle. A significantly increased viewing angle can be created through more precise production and through slightly brighter pixels. This, however, is partly at the expense of the gray level resolution.

### C. Comparison of standard and super TFT display

| *Standard* | *Super* |
|---|---|
| • good gray level resolution | • very good viewing angle |
| • F satisfactory viewing angle | • satisfactory gray level resolution |



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Use the resource dependency tree concept to review your company's availability needs. It is a useful exercise, directing you to record the exact design and definition of each cluster group.

## Reducing Single Points of Failure in the HA/F100 Configuration

The final planning consideration is reducing single points of failure. Depending on your needs, you may leave all vulnerable areas alone, accepting the risk associated with a potential failure. Or, if the risk of failure is unacceptable for a given area, you may elect to use a redundant component to minimize, or remove, the single point of failure.

**NOTE:** Although not specifically covered in this section, redundant server components (such as power supplies and processor modules) should be used wherever possible. These features will vary based upon your specific server model.

The single points of failure described in this section are:

- Cluster interconnect
- Fibre Channel data paths
- Non-shared disk drives
- Shared disk drives

**NOTE:** The Compaq ProLiant Cluster HA/F200 addresses the single points of failure listed above with its dual redundant loop configuration. For more information, refer to the "Enhanced High Availability Features of the HA/F200" section of this chapter.

### Cluster Interconnect

The interconnect is the primary means for the cluster nodes to communicate. Intracluster communication is crucial to the health of the cluster. If communication between the cluster nodes ceases, MSCS must determine the state of the cluster and take action, in most cases bringing the cluster groups offline on one of the nodes and failing over all cluster groups to the other node.

Following are two strategies for increasing the availability of intracluster communication. Combined, these strategies provide even more redundancy.

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| Aspect | Question | Answer |
|---|---|---|
| System information and performance | How do I check the OS version of my device? | Open the **Application** menu and tap **Settings** › **About tablet** to check the OS version (Kernel/build number) and other hardware and software information. |
| | Where can I find my serial number ID (SNID)? | Open the **Application** menu and tap **Settings** › **About tablet** › **Device Information**. |
| Power | I couldn't turn on the device. | The battery power may be depleted. Recharge the device. **See Charging your tablet on page 8** for more information. |
| Storage | How do I check memory status? | To check storage status, go to **Settings** › **Storage**. |
| | What do I do when my device's internal storage is full or almost full? | You may need to delete installed apps or move media files to the micoSD card. |
| Unlock pattern | I forgot my unlock pattern. | After five wrong entries, you can reset your unlock pattern. Tap **Forgotten pattern?** and enter your Google account username and password.<br>You must have an active Google account on the tablet and an Internet connection.<br>If this option is not available, please contact your local Acer service center. |

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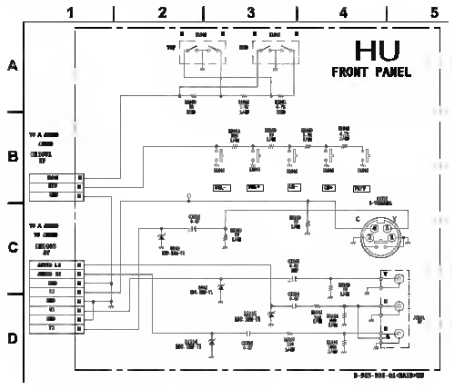
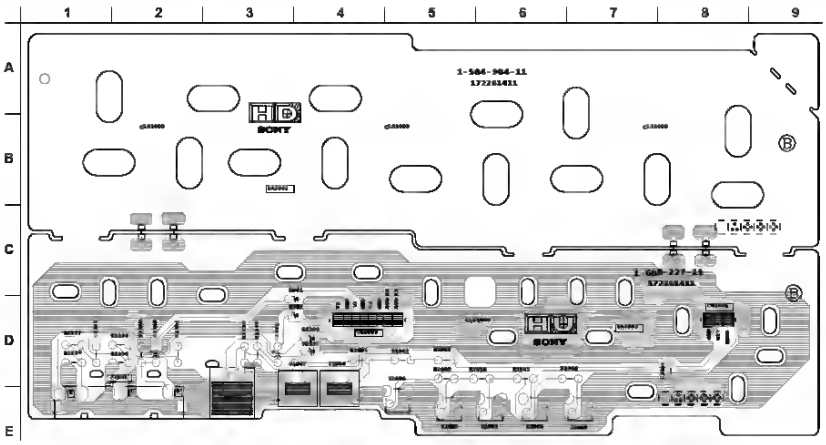
## HU BDARD SCHEMATIC DIAGRAM

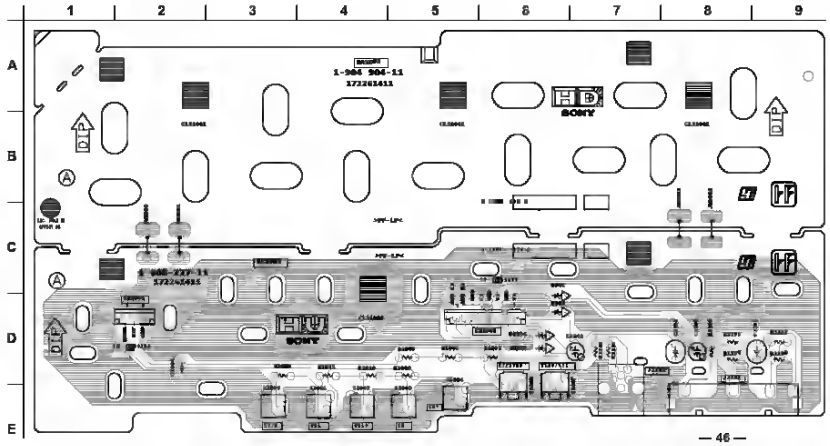



## HU CDNDUCTDR SIDE [FRONT PANEL]

KV-27FV310/29FV310/32FV310/36FV310



## HU CDMPDNENT SIDE [FRONT PANEL]





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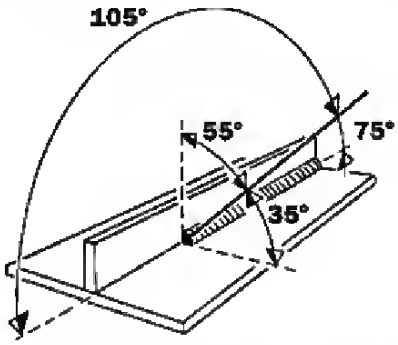
ken väljas med hjälp av justenngsvred (ref. D - Figur 1 Sid. 3.)




FÖR OPTIMAL SVETSNING HÅLL BRÄNNAREN I SAMMA RIKTNING SOM TRÅDMATNING, SÅ SOM PÅ BILDEN.

### 6.2 KOLSTÅLSVETSNING

För MIG-svetsning fortsätt enligt följande:

1. 1 Använd en binär skyddande gas (vanligtvis AR/CO2 blandning med blandningsförhållande från 75-80 % Argon och från 20-25 % CO2), eller ternära blandningar så som AR/CO2/O2. Dessa gaser bjuder svetsvärme och homogen och kompakt svetssträng, fastän inträngningen är svag. Användning av kolsyra (MAG) som skyddande gas uppnår en tunn och väl genomträngd påsvets, men gasens jonisering kan försämra elbågens stabilitet.
2. Använd trådmatning av samma kvalitet som är kvaliteten av svetsstål. Använd alltid en kvalitetstråd; svetsning med rostiga trådar kan förorsaka svetsdefekter. I allmänheten användbar strömskala för trådanvändning är följande:
   - Ø tråd mm x 100 = minimum ampere
   - Ø tråd mm x 200 = maximum ampere

   Exempel: Ø tråd 1.2 mm= minimum 120 ampere / maximum 240 ampere.
3. Svetsa inte delar med rost, olja eller smörja på.
4. Använd brännare enligt svetsströmspecifikation.
5. Kontrollera regelbundet att underlägg på återledarfästen är inte skadad och att svetskablar (brännare och jord) är inte klippade eller brända, vilket kunde minska effektiviteten.

### 6.3 ROSTFRITT STÅL SVETSNING

MIG-svetsning av 300-serie (austenitisk) rostfritt stål måste utföras med en skyddande gas som har en hög argonvolym och ett litet procenttal av O2 för att stabilisera bågen. Den oftast tillämpade blandningen är AR/O2 98/2.

- Använd aldrig CO2 eller AR/CO2 blandningar.
- Berör aldrig tråden.

Tillsatsmaterialet som används måste vara av battre kvalitet än basmaterialet och svetszonen måste vara absolut ren.

### 6.4 ALUMINIUMSVETSNING

För MIG-svetsning av aluminium använd följande:

1. 100 % Argon som skyddande gas.
2. Fyllnadstråd med sammansättning anpassad till svetsbasmaterialet. För att svetsa ALUMAN och ANTICORODAL använd 3-5 % kiseltråd. För att svetsa PERALUMAN och ERGAL använd 5 % magnesiumtråd.
3. Använd brännare som är bestämmd för aluminiumsvetsning.

### 6.5 PUNKTSVETSNING

Den har typen av svetsning tillämpas för punktsvetsning av två överlappande plåtar och kräver anvandning av en speciell gasdysa.

Montera in gasdysan för punktsvetsning, tryck den mot stycket som ska svetsas. Tryck på brännarknappen; observera att det kan hända att svetsmaskinen lösgör sig från stycket. Denna tidsperiod är inställd av TIMER regulatorn (ref. A - Figur 1 Sid. 3.) och måste justeras beroende av materialets tjocklek.

## 7.0 SVETSNINGSFEL VID MIG-SVETSNING

### KLASSIFICERING AV FEL OCH DERAS BESKRIVNING

MIG-svetsar kan ha olika defekter och det är viktigt att identifiera dem. Sådana fel skiljer sig inte i form eller karaktär från dessa som förekommer vid manuell bågsvetsning med belagda elektroder. Skillnaden mellan de två metoderna består oftast i defektfrekvensen: porositet, till exempel, är vanligare vid MIG-svetsningen och slaggen förekommer bara vid svetsningen med belagda elektroder.

Orsaker och förebyggande av fel är också ganska annorlunda.

Den följande tabellen visar olika fel.

| FEL | UTSEENDE | ORSAK OCH ÅTGÄRDER |
|---|---|---|
| OJÄMN NIVÅ | | - Dålig beredning<br>- Utjämna kanter och håll under punktsvetsning |
| ÖVERTJOCKLEK | | - Ingen utgångsspänning eller svetshastighet för låg<br>- Felaktig brännarlutning<br>- Tråddiameter för stor |
| BRISTANDE METALL | | - Svetshastighet för hög<br>- Svetsspänning för låg for svetsmetoden |
| OXIDERAD PÅSVETS | | - Svetsa i U-stången om en lång båge användas<br>- Regulera spänningen<br>- Tråden är böjd eller över-utskjutande ur trådtörarslangen<br>- Felaktig trådmatningshastighet |
| BRISTFÄLLIG GENOMTRÄNGNING | | - Felaktig brännarlutning<br>- Felaktig eller otillräcklig avstånd<br>- trådförarslangen är utsliten<br>- Trådhastighet för låg för tillämpad spänning eller för svetshastighet |



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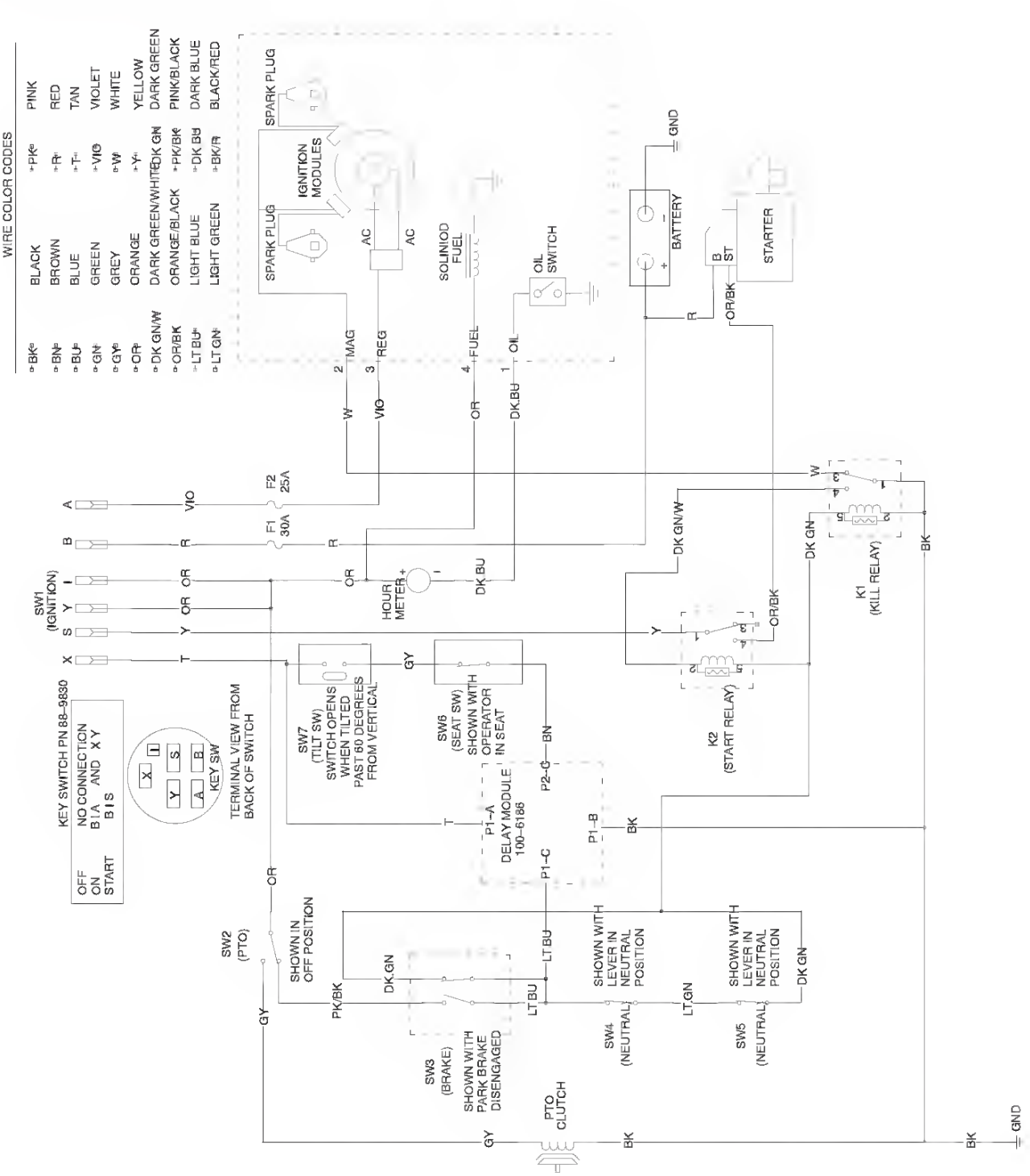
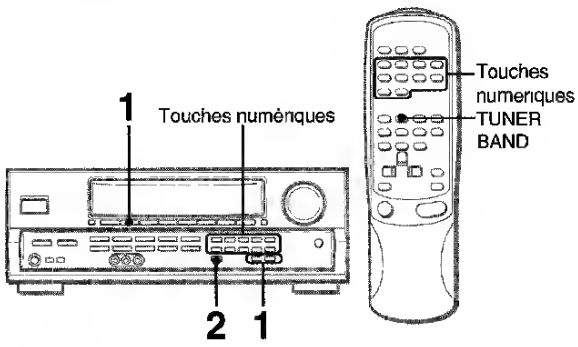
# Wiring Diagram



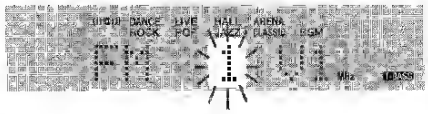
# PREREGLAGE DES STATIONS




L'ampli-tuner peut mémoriser en tout 32 stations. Quand une station est mémorisée, un numéro de préréglage est affecté à cette station. Utilisez le numéro de préréglage pour accorder directement la station préréglée.

1 **Appuyez sur la touche TUNER pour sélectionner la gamme et sur la touche UP▲ ou DOWN▼ pour sélectionner une station. Vous pouvez aussi utiliser l'accord direct.**

2 **Appuyez sur la touche SET pour mémoriser la station.**
Un numéro de préréglage est affecté à la station, à compter de 1 dans l'ordre consécutif pour chaque gamme, et clignote dans l'afficheur pendant deux secondes.



3 **Refaites les opérations 1 et 2.**
Il n'est pas possible de prérégler une nouvelle station si 32 stations sont déjà mémorisées pour toutes les gammes.

**REMARQUE**

Quand vous changez l'intervalle d'accord AM, toutes les stations préréglées sont supprimées. Vous devez les prérégler une nouvelle fois.

## ACCORD DES STATIONS PREREGLEES

1 **Appuyez sur la touche TUNER pour sélectionner une gamme.**

2 **Appuyez sur les touches numériques pour sélectionner une station préréglée.**
Par exemple:
Pour sélectionner le numéro de préréglage 25, appuyez sur 2 et 5.
Pour sélectionner le numéro de préreglage 7, appuyez sur 0 et 7.

**Pour supprimer une station préréglée**

Sélectionnez le numéro de préréglage de la station que vous voulez supprimer. Appuyez ensuite sur la touche SET puis, dans les quatre secondes, une nouvelle fois sur la touche SET.
Les numéros de préréglage de toutes les stations de la gamme, supérieurs au numéro annulé diminuent d'une unité.

**Quand vous utilisez la télécommande**

Appuyez sur la touche TUNER BAND pour sélectionner une gamme, puis appuyez sur les touches numériques pour sélectionner un numéro de préréglage.



F



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| | |
|---|---|
| | Address is recorded by the DDNS Service Provider. (You do NOT need to use the "Client" program provided by some DDNS Service providers.)<br>• From the Internet, users will now be able to connect to your Virtual Servers (or DMZ PC) using your Domain name. |
| **DDNS Data** | |
| **User Name** | Enter your Username for the DDNS Service. |
| **Password/Key** | Enter your current password for the DDNS Service. |
| **Domain Name** | Enter the domain name allocated to you by the DDNS Service. If you have more than one name, enter the name you wish to use. |
| **DDNS Status** | • This message is returned by the DDNS Server<br>• Normally, this message should be "Update successful"<br>• If the message is "No host" or some other error message, you need to contact the DDNS Service provider and correct the problem. |

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# Expanding through options

Your notebook PC offers you a complete mobile computing experience.

## Connectivity options

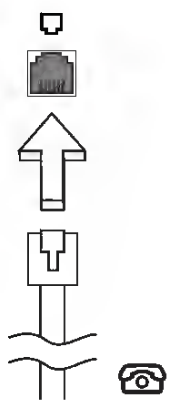
Ports allow you to connect peripheral devices to your computer as you would with a desktop PC. For instructions on how to connect different external devices to the computer, read the following section.

### Fax/data modem

Your computer has a built-in V.92 56 Kbps fax/data modem.

**Warning! This modem port is not compatible with digital phone lines. Plugging this modem into a digital phone line will damage the modem.**

To use the fax/data modem port, connect a phone cable from the modem port to a telephone jack.



**Warning: Please make sure that the cable you use is appropriate for the country in which you are working.**

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## Running the Diagnostic Program

The Diagnostic program is independent of the main System software. To run the Diagnostic program:

1. Gather and connect the equipment. You will need, in addition to the faulty Interface, tbe following equipment:
   - HP 3561A Dynamic Signal Analyzer (preferably the one in the System),
   - HP Series 200 or 300 Computer with disc drive and HP-IB, and
   - optionally, a printer compatible with the System Controller.
2. Reset the computer. If the computer is not running BASIC, boot up BASIC 4.0. (BASIC 4.0 is the supplied operating system. BASIC 2.1 and 3.0 will also work.)
3. Key in `LOAD "Oiagnostic"` and press `RUN`.
4. If a display appears which indicates that the HP 3561A, HP 11848A, or printer HP-IB addresses are not correct, you can (1) physically change the address of the device to match the displayed address or (2) change the displayed address of the device using the cursor control keys (the knob, arrow keys, tab keys, backspace key, or space bar); then press `ENTER`. If the display still indicates an incorrect address, then the device does not respond when it is addressed. (It may be broken or turned off.) If a printer is not available, it can be deleted at this time.
5. The display will now show the Task Selection menu screen. This is the main screen for the Diagnostic program. The program is now ready for troubleshooting the Interface.

## Features of the Diagnostic Program

Most explanations you will need to use the program are part of the program itself either as prompts on the bottom line of the display or as entire displays of information.

Softkeys are not used in the program. Instead, bighlighted (inverse video) characters are displayed; pressing a key matching the bighligbted character initiates the selected action. Very often the letter "I" in the word "Information" will he highlighted. Pressing "I" immediately hrings on to the display information pertinent to the current display. Use it often. It is tbe Operating Manual for the Diagnostic program.

The Diagnostic program is referenced to the Block Diagram found herein. Refer to it frequently.

The program has two basic modes of operation.

- It runs tests, displays results, and in many cases will attempt to pinpoint the failure.
- It gives you arbitrary control over any programmable circuit device in the Interface.

When you use the Diagnostic program to troubleshoot the Interface, the normal procedure is:

1. Run tests which you think might locate the fault. (When running the test for the first time, respond with "No" wben prompted "Stop on failure?".)
2. When a failure is noted in a test, rerun tbe test and request stopping when a failure is detected. When stopped, request to view the Interface setup.
3. The display will now show the current state of the Interface and enables you to alter the state to check the functioning of a suspected circuit. Often a faulty control line will cause a circuit to malfunction. To check for this,
   - Press the key corresponding to the desired type of the circuit. (For example, press "A", for "Attenuator", if one of the programmable amplifiers is to be checked.)
   - Now press "I" to display the information for the circuit type (for example, programmable attenuators). The information will show tbe logic control states of all the circuits of that type. (At this point, if a printer is attached, you may wish to print the information display.)
   - Now return to the previous screen (press "X", for exit) and follow the logic levels through the control circuits to the (A1) control assembly.
4. Once the faulty circuit or control line has been isolated, you can continue isolation to the faulty component or replace the faulty assembly. (Some assemblies are on an exchange program.)



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## 关于您的安全和舒适的信息

请仔细阅读这些说明。妥善保管本文档，供以后参考。
务必遵守标示在产品上的警告标示与说明。

## 使用电源

本产品应使用标牌上所指定的电源类型。如果您不确定所能使用的电源类型，请与您的经销商或当地的电力公司联系。

## 产品维修

在打开或卸下机盖时存在危险电压或其它风险，因此请勿自行维修本产品。委托专业服务人员进行维修。

## 附加安全信息

- 灯泡点亮时切勿直视投影机镜头。亮光可能会伤害您的眼睛。
- 不要将本产品放置在下列环境中：
  - 潮湿、多尘或吸烟的地方，否则可能会污染光学元件，缩短使用寿命，使图像变暗。
  - 环境温度超过40 °C/104 °F的地方。
- 若投影机存在任何异常，应立即拔掉电源线。投影机冒烟、发出奇怪的噪音或异味时，不要继续使用。否则，可能导致火灾或电击。在此情况下，应立即拔掉电源线，然后与经销商联系。
- 勿使阳光直接照射投影机镜头。否则，可能会导致火灾。
- 当投影机正在工作时，切勿直视排气网。否则，可能会伤害眼睛。

## 废弃指导说明

废弃时，不要将此电子设备丢入垃圾箱中。为减少污染以便在最大程度上保护全球环境，请回收此设备。有关 Waste from Electrical and Electronics Equipment (WEEE) 规定的详情，请访问 http://www.acer-group.com/public/Sustainability/sustainability01.htm

## 管制和安全声明

### FCC声明

本设备经检测，符合FCC规则第15部分中关于B级数字设备的限制规定。这些限制旨在为居民区安装提供防止有害干扰的合理保护。本设备会产生、使用和辐射无线电频率能量，如果不遵照说明进行安装和使用，可能会对无线电通信产生有害干扰。
但是，不能保证在特定安装条件下不会出现干扰。如果本设备确实对无线电或电视接收造成有害干扰（可通过关闭和打开设备电源来确定），建议用户采取以下一项或多项措施来消除干扰：

- 调节接收天线的方向或位置。
- 增大设备与接收器之间的距离。
- 将此设备和接收设备连接到不同电路的电源插座上。
- 向代理商或有经验的无线电/电视技术人员咨询以获得帮助。

### 注意事项：屏蔽线缆

连接其它计算设备时必须使用屏蔽线缆，以确保符合FCC管制要求。

### 注意事项：外设

只有通过认证且符合B级限制的外设（输入/输出设备、终端、打印机等）可以连接到本设备。若与未经认证的外设共同使用，可能会干扰无线电与电视的接收。

### 小心

如果未经制造商明确许可进行任何变更或修改，会导致用户失去由联邦通信委员会授予的使用此设备的资格。

### 运行条件

本设备符合FCC规则第15部分的要求。本设备在运行时符合下面两个条件：(1)本设备不会产生有害干扰，(2)本设备必须承受任何接收到的干扰，包括可能导致意外操作的干扰。

### 注意事项：加拿大用户

此B级数字设备符合加拿大ICES-003的要求。

### Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

### CE符合性声明

我们在此声明，上述产品符合EMC指令2004/108/EC、低电压指令2006/95/EC和RoHS指令2011/65/EU、以及指令2009/125/EC（关于建立能源相关产品生态设计要求框架）的基本要求以及其他相关规定。

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07

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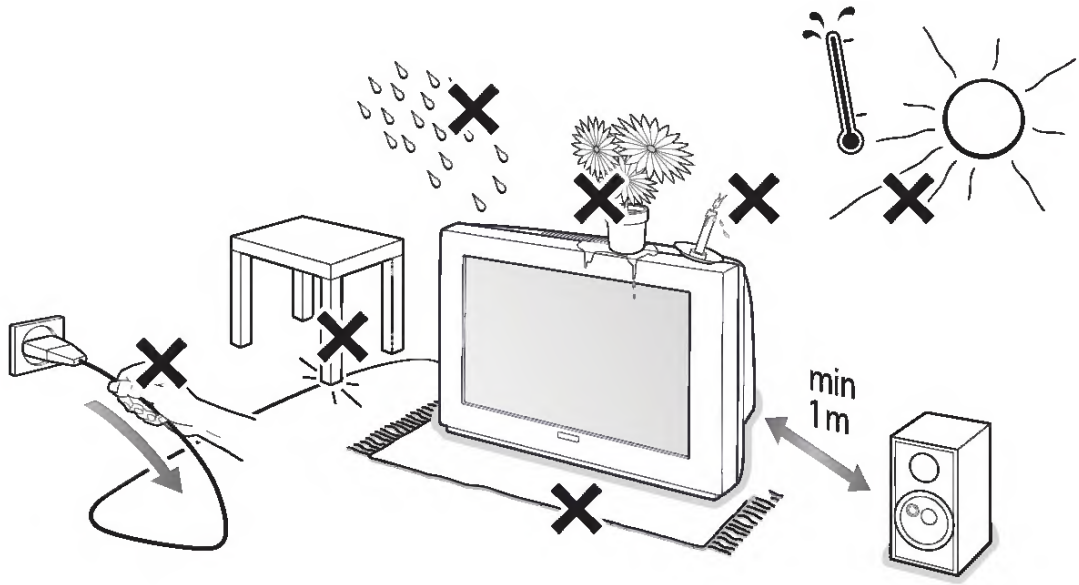
# Bezpečnostní

- Zapojte TV přijímač (televizor) do sítě o napětí 220 – 240 Vstř., o kmitočtu 50 Hz.
- Odpojte televizor ze sítě v případě, že:
- červená kontrolka pod obrazovkou nepřetržitě bliká
- napříč obrazovkou se táhne světlá bílá čára
- venku je bouřka s blesky
- televizor nebudete delší dobu zapínat
- Čištění obrazovky. Nikdy nepoužívejte čisticí prostředky, které by mohly obrazovku odřít. Používejte mírně navlhčenou jelenicovou kůži nebo jemnou látku.
- Na televizor a do jeho bezprostřední blízkosti by neměly být umisťovány žádné zdroje otevřeného plamene, jako např. zapálené svíčky.
- Nevystavujte televizor přímému slunečnímu svitu nebo působení sálavého tepla.
- Nepřikrývejte televizor ani ho ničím neohrazujte; mohlo by dojít k jeho přehřátí.
- Okolo televizoru nechte ze všech stran minimálně 5 cm pro dostatečnou ventilaci.
- Neumísťujte televizor do míst, kde lze předpokládat vniknutí deště nebo vody (např. u okna).
- UPOZORNĚNÍ k aplikaci baterie – abyste zamezili vylití baterie, která by mohla způsobit poškození zdraví, majetku nebo televizoru:
- Všechny baterie správně nainstalujte, dbejte na orientaci + a – podle symbolů na televizoru.
- Baterie nemíchejte (staré a nové nebo uhlíkové a alkalické apod.).
- Pokud televizor nebudete delší dobu používat, baterie vyjměte.
- Nevystavujte toto zařízení kapajícím nebo stříkajícím kapalinám ani na přístroj nepokládejte žádné předměty naplněné kapalinami, například vázy.

**Bezpečnostní informace**

- Nenechávejte televizor dlouhodobě v pohotovostním[standby] režimu. Vypněte televizor kvůli demagnetizaci. Demagnetizovaný televizor má lepší kvalitu obrazu.
- Nepřemísťujte televizor ani s ním nehýbejte, je-li zapnutý. V některých místech obrazovky by se mohla projevit nerovnoměrnost barev.
- Nikdy se nepokoušejte opravit televizor sami. Vždy se obraťte na odborný personál servisního oddělení.



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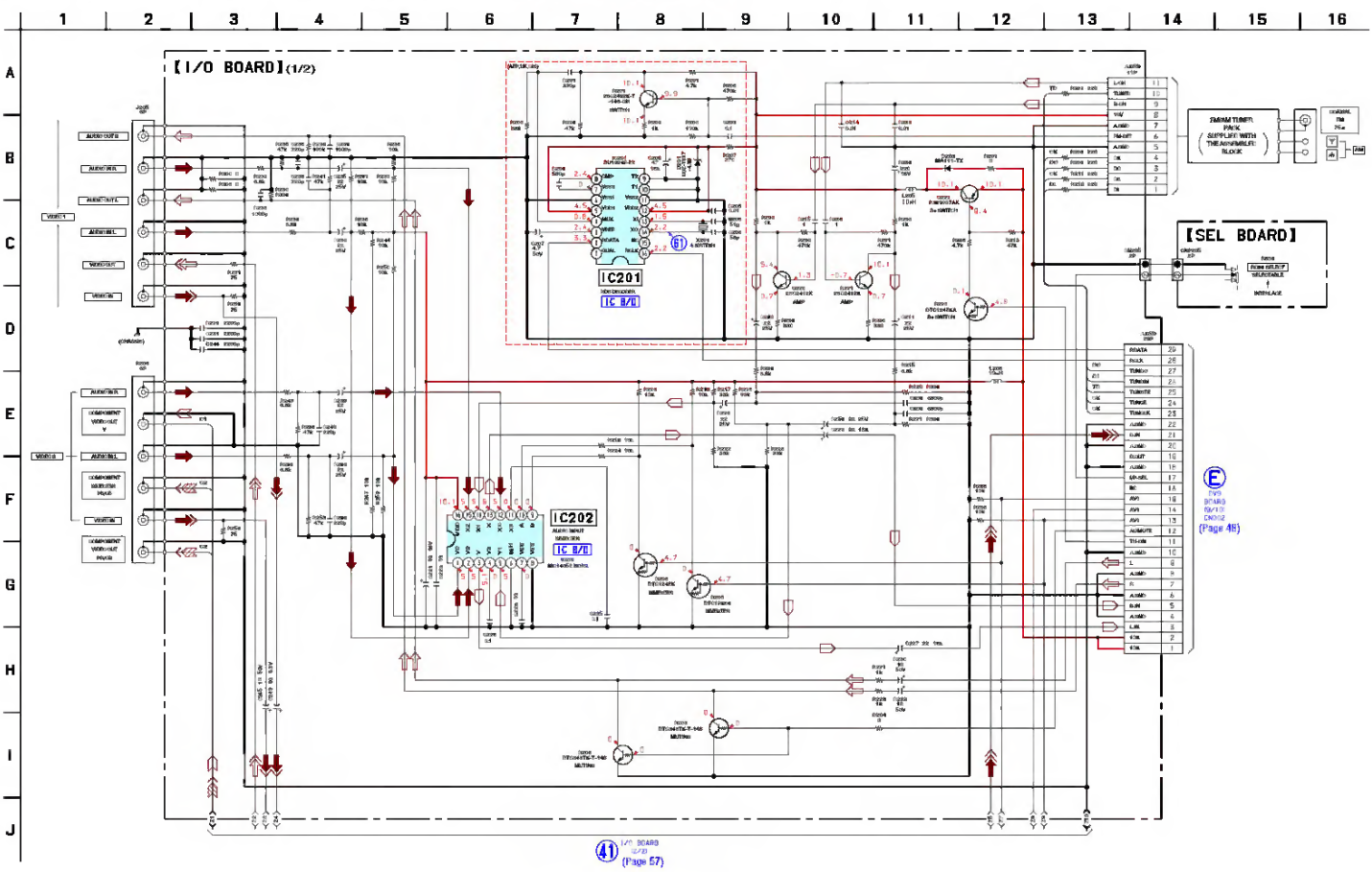
7-29. SCHEMATIC DIAGRAM – I/O Section (1/2) – ▪ See page 67 for Waveform. ▪ See page 72 for IC Block Diagrams.



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